

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002397.D
 Acq On : 17 Apr 2020 14:28
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 3.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:11 AM

Quant Time: Apr 18 07:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	100008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	162892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	108097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	29028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	48775	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	
35) Dibromofluoromethane	7.74	113	54675	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	
50) Toluene-d8	10.19	98	184316	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.49	95	35988	26.89	ug/l	0.00
Spiked Amount			Recovery	=	53.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	57687	57.074	ug/l	95
3) Chloromethane	2.12	50	72894	57.303	ug/l	100
4) Vinyl Chloride	2.26	62	76739	56.677	ug/l	99
5) Bromomethane	2.66	94	44057	52.692	ug/l	100
6) Chloroethane	2.81	64	46962	60.141	ug/l	96
7) Trichlorofluoromethane	3.14	101	95918	54.855	ug/l	92
8) Diethyl Ether	3.55	74	45886	61.728	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.93	101	58293	49.078	ug/l	98
10) Methyl Iodide	4.11	142	66394	48.089	ug/l	95
11) Tert butyl alcohol	4.98	59	31118	264.615	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	67424	55.834	ug/l	87
13) Acrolein	3.75	56	290	2.022	ug/l #	35
14) Allyl chloride	4.51	41	85907	44.055	ug/l #	92
15) Acrylonitrile	5.19	53	84105	221.249	ug/l	100
16) Acetone	3.97	43	59795	204.132	ug/l	92
17) Carbon Disulfide	4.22	76	177859	44.349	ug/l	98
18) Methyl Acetate	4.51	43	132473	145.801	ug/l	90
19) Methyl tert-butyl Ether	5.25	73	185710	58.498	ug/l	98
20) Methylene Chloride	4.74	84	80798	56.119	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	67917	50.107	ug/l	91
22) Diisopropyl ether	6.15	45	203450	51.844	ug/l #	89
23) Vinyl Acetate	6.14	43	93311	37.312	ug/l #	71
24) 1,1-Dichloroethane	6.05	63	123707	55.421	ug/l	98
25) 2-Butanone	7.01	43	89287	192.609	ug/l	91
26) 2,2-Dichloropropane	7.00	77	94388	50.551	ug/l	95
27) cis-1,2-Dichloroethene	7.01	96	75430	51.051	ug/l	92
28) Bromochloromethane	7.36	49	44349	46.026	ug/l	84
29) Tetrahydrofuran	7.37	42	69846	227.936	ug/l #	87
30) Chloroform	7.53	83	114080	54.218	ug/l	97
31) Cyclohexane	7.80	56	82913	35.387	ug/l	91
32) 1,1,1-Trichloroethane	7.72	97	91804	52.420	ug/l	97
36) 1,1-Dichloropropene	7.94	75	76961	47.967	ug/l	96
37) Ethyl Acetate	7.10	43	6271	6.842	ug/l #	78
38) Carbon Tetrachloride	7.92	117	73135	53.290	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002397.D
 Acq On : 17 Apr 2020 14:28
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 3.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:11 AM

Quant Time: Apr 18 07:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	66289	30.372	ug/l	91
40) Benzene	8.18	78	275960	56.689	ug/l	100
41) Methacrylonitrile	7.35	41	18755m	34.686	ug/l	
42) 1,2-Dichloroethane	8.25	62	61847	51.289	ug/l	94
43) Isopropyl Acetate	8.29	43	18476	11.052	ug/l #	58
44) Trichloroethene	8.96	130	67241	46.982	ug/l	91
45) 1,2-Dichloropropane	9.23	63	68309	56.556	ug/l	99
46) Dibromomethane	9.32	93	33799	53.520	ug/l	97
47) Bromodichloromethane	9.51	83	77421	53.429	ug/l #	98
48) Methyl methacrylate	9.30	41	32658	43.569	ug/l	86
49) 1,4-Dioxane	9.30	88	11765	1316.998	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	169194	194.235	ug/l	92
52) Toluene	10.25	92	140308	47.827	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	65739	41.639	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	84251	44.387	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	51429	55.625	ug/l	98
56) Ethyl methacrylate	10.52	69	5654	4.285	ug/l #	75
57) 1,3-Dichloropropane	10.80	76	83816	51.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	152652	223.388	ug/l	95
59) 2-Hexanone	10.84	43	88898	147.048	ug/l	90
60) Dibromochloromethane	10.99	129	49560	50.270	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42138	47.873	ug/l	99
64) Tetrachloroethene	10.73	164	58692	53.704	ug/l	98
65) Chlorobenzene	11.52	112	112615	50.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	52104	70.233	ug/l	99
67) Ethyl Benzene	11.60	91	218630	53.148	ug/l	99
68) m/p-Xylenes	11.71	106	152413	98.923	ug/l	97
69) o-Xylene	12.03	106	78465	54.245	ug/l	94
70) Styrene	12.05	104	103278	41.154	ug/l	98
71) Bromoform	12.22	173	23774	58.928	ug/l #	99
73) Isopropylbenzene	12.33	105	176967	77.601	ug/l	98
74) N-amyl acetate	12.14	43	1229	1.899	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	31612	114.575	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32737m	97.120	ug/l	
77) Bromobenzene	12.61	156	34134	68.033	ug/l	99
78) n-propylbenzene	12.67	91	172947	60.978	ug/l	99
79) 2-Chlorotoluene	12.76	91	97341	63.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	127843	67.785	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	13553	78.202	ug/l	97
82) 4-Chlorotoluene	12.86	91	88294	54.654	ug/l	97
83) tert-Butylbenzene	13.08	119	107495	68.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	116150	61.673	ug/l	100
85) sec-Butylbenzene	13.26	105	109263	46.429	ug/l	99
86) p-Isopropyltoluene	13.38	119	15672	7.738	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	47427	48.776	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	45138	45.732	ug/l	98
89) n-Butylbenzene	13.70	91	47433	22.847	ug/l	98
90) Hexachloroethane	13.97	117	21095	54.655	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	42841	48.488	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4837	72.487	ug/l	87

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
Data File : VY002397.D
Acq On : 17 Apr 2020 14:28
Operator : SY/MD
Sample : L2271-05MS
Misc : 3.12G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Manual Integrations
APPROVED

MMDadoda
4/20/2020 11:41:11 AM

Quant Time: Apr 18 07:02:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	13261	22.962	ug/l	99
94) Hexachlorobutadiene	15.12	225	7167	24.640	ug/l	97
95) Naphthalene	15.25	128	35083	27.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	11095	22.125	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002397.D
 Acq On : 17 Apr 2020 14:28
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 3.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:11 AM

Quant Time: Apr 18 07:02:57 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

