

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001714.D
 Acq On : 20 Feb 2020 11:31
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:21 PM

Quant Time: Feb 21 08:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	196370	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	351676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	312720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	107351	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.75	113	98363	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.20	98	410470	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.50	95	149523	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	33274	17.383	ug/l	96
3) Chloromethane	2.13	50	47552	18.470	ug/l	97
4) Vinyl Chloride	2.27	62	46908	18.063	ug/l	96
5) Bromomethane	2.67	94	32150	19.809	ug/l	100
6) Chloroethane	2.82	64	30197	18.870	ug/l	97
7) Trichlorofluoromethane	3.16	101	64481	19.401	ug/l	100
8) Diethyl Ether	3.57	74	25101	19.158	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	41299	19.770	ug/l	99
10) Methyl Iodide	4.13	142	45497	17.795	ug/l	98
11) Tert butyl alcohol	5.00	59	26565	92.618	ug/l #	94
12) 1,1-Dichloroethene	3.91	96	41216	19.344	ug/l	98
13) Acrolein	3.77	56	19135	89.698	ug/l	98
14) Allyl chloride	4.52	41	73213	19.307	ug/l	98
15) Acrylonitrile	5.21	53	64606	96.199	ug/l	99
16) Acetone	3.99	43	60021	82.124	ug/l	99
17) Carbon Disulfide	4.24	76	130073	18.286	ug/l	99
18) Methyl Acetate	4.52	43	31206	19.606	ug/l	100
19) Methyl tert-butyl Ether	5.27	73	114987	19.384	ug/l	96
20) Methylene Chloride	4.77	84	49834	19.196	ug/l	94
21) trans-1,2-Dichloroethene	5.27	96	45197	18.593	ug/l	94
22) Diisopropyl ether	6.16	45	152273	19.554	ug/l	97
23) Vinyl Acetate	6.11	43	486675	95.811	ug/l	98
24) 1,1-Dichloroethane	6.07	63	81717	19.634	ug/l	99
25) 2-Butanone	7.03	43	89481	90.126	ug/l	98
26) 2,2-Dichloropropane	7.02	77	71987	19.880	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	50792	18.929	ug/l	97
28) Bromochloromethane	7.37	49	32804	18.921	ug/l	99
29) Tetrahydrofuran	7.38	42	57000	94.985	ug/l	97
30) Chloroform	7.54	83	76900	18.909	ug/l	97
31) Cyclohexane	7.82	56	84190	18.972	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	66060	19.327	ug/l	99
36) 1,1-Dichloropropene	7.95	75	63987	19.048	ug/l	98
37) Ethyl Acetate	7.11	43	39043	19.473	ug/l	98
38) Carbon Tetrachloride	7.93	117	57178	19.379	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001714.D
 Acq On : 20 Feb 2020 11:31
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:21 PM

Quant Time: Feb 21 08:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	86460	19.401	ug/l	96
40) Benzene	8.19	78	192562	19.491	ug/l	99
41) Methacrylonitrile	7.35	41	18669m	18.545	ug/l	
42) 1,2-Dichloroethane	8.27	62	51823	19.254	ug/l	99
43) Isopropyl Acetate	8.30	43	73339	19.279	ug/l	99
44) Trichloroethene	8.97	130	47120	19.106	ug/l	98
45) 1,2-Dichloropropane	9.24	63	48721	19.691	ug/l	99
46) Dibromomethane	9.33	93	25214	19.484	ug/l	99
47) Bromodichloromethane	9.52	83	60009	19.213	ug/l	98
48) Methyl methacrylate	9.32	41	32784	19.056	ug/l	98
49) 1,4-Dioxane	9.32	88	6896	377.282	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	187315	95.838	ug/l	98
52) Toluene	10.27	92	119671	19.419	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	66127	19.151	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	75489	18.996	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	36618	19.190	ug/l	99
56) Ethyl methacrylate	10.53	69	54440	19.017	ug/l	96
57) 1,3-Dichloropropane	10.81	76	65417	19.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	140490	120.599	ug/l	98
59) 2-Hexanone	10.85	43	135509	92.403	ug/l	98
60) Dibromochloromethane	11.00	129	39650	18.847	ug/l	99
61) 1,2-Dibromoethane	11.11	107	34094	18.896	ug/l	96
64) Tetrachloroethene	10.74	164	37840	19.275	ug/l	96
65) Chlorobenzene	11.53	112	122236	19.578	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	41834	19.863	ug/l	99
67) Ethyl Benzene	11.61	91	228114	19.688	ug/l	100
68) m/p-Xylenes	11.72	106	172569	39.873	ug/l	99
69) o-Xylene	12.05	106	82362	20.017	ug/l	96
70) Styrene	12.06	104	141013	19.720	ug/l	100
71) Bromoform	12.23	173	22559	18.743	ug/l #	98
73) Isopropylbenzene	12.35	105	219090	19.390	ug/l	100
74) N-amyl acetate	12.16	43	69594	19.299	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.60	83	45967	19.053	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	31638m	18.595	ug/l	
77) Bromobenzene	12.63	156	47598	19.432	ug/l	96
78) n-propylbenzene	12.69	91	273540	19.877	ug/l	99
79) 2-Chlorotoluene	12.77	91	151171	19.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	184238	19.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16303	18.179	ug/l	92
82) 4-Chlorotoluene	12.87	91	157998	19.409	ug/l	98
83) tert-Butylbenzene	13.09	119	153220	19.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	183638	19.693	ug/l	100
85) sec-Butylbenzene	13.27	105	226687	19.703	ug/l	100
86) p-Isopropyltoluene	13.39	119	197129	19.723	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	92160	19.400	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	93852	19.544	ug/l	98
89) n-Butylbenzene	13.71	91	204442	20.018	ug/l	99
90) Hexachloroethane	13.98	117	36011	19.123	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	84749	19.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7307	18.352	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
Data File : VY001714.D
Acq On : 20 Feb 2020 11:31
Operator : SY/MD
Sample : VY0220SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:23:21 PM

Quant Time: Feb 21 08:13:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	56738	19.530	ug/l	99
94) Hexachlorobutadiene	15.13	225	28010	19.386	ug/l	98
95) Naphthalene	15.25	128	126613	18.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	50064	19.588	ug/l	98

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

