

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
 Data File : VY001008.D
 Acq On : 19 Dec 2019 12:30
 Operator : SY/MD
 Sample : VY1219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2019 10:37:05 AM

Quant Time: Dec 20 03:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	279072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	489637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	202202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138524	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.72	113	136972	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.18	98	567804	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.48	95	193851	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	50294	16.742	ug/l	100
3) Chloromethane	2.12	50	66166	17.868	ug/l	99
4) Vinyl Chloride	2.25	62	64814	17.759	ug/l	99
5) Bromomethane	2.64	94	42710	17.907	ug/l	87
6) Chloroethane	2.79	64	41873	18.713	ug/l	99
7) Trichlorofluoromethane	3.13	101	94466	18.887	ug/l	88
8) Diethyl Ether	3.54	74	37440	19.889	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	63221	20.469	ug/l	97
10) Methyl Iodide	4.10	142	76460	19.662	ug/l	96
11) Tert butyl alcohol	4.96	59	27300	91.507	ug/l #	74
12) 1,1-Dichloroethene	3.87	96	61117	19.974	ug/l	90
13) Acrolein	3.73	56	26099	88.807	ug/l	97
14) Allyl chloride	4.48	41	103082	19.647	ug/l	96
15) Acrylonitrile	5.18	53	100134	103.012	ug/l	98
16) Acetone	3.96	43	66280	97.434	ug/l	90
17) Carbon Disulfide	4.19	76	184347	18.628	ug/l	99
18) Methyl Acetate	4.48	43	53172	18.694	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	161050	19.708	ug/l	94
20) Methylene Chloride	4.72	84	77616	21.646	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	68122	19.587	ug/l	98
22) Diisopropyl ether	6.13	45	216424	20.070	ug/l	99
23) Vinyl Acetate	6.07	43	655219	99.947	ug/l	99
24) 1,1-Dichloroethane	6.03	63	121756	20.486	ug/l	96
25) 2-Butanone	6.99	43	118020	93.919	ug/l	98
26) 2,2-Dichloropropane	6.99	77	94968	18.985	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	79162	21.057	ug/l	95
28) Bromochloromethane	7.35	49	28186	14.428	ug/l	97
29) Tetrahydrofuran	7.35	42	81897	98.352	ug/l	98
30) Chloroform	7.51	83	113782	19.084	ug/l	97
31) Cyclohexane	7.79	56	119062	18.910	ug/l #	87
32) 1,1,1-Trichloroethane	7.71	97	93353	18.961	ug/l	99
36) 1,1-Dichloropropene	7.93	75	95299	19.575	ug/l	99
37) Ethyl Acetate	7.08	43	56171	19.982	ug/l	99
38) Carbon Tetrachloride	7.91	117	82913	19.123	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
 Data File : VY001008.D
 Acq On : 19 Dec 2019 12:30
 Operator : SY/MD
 Sample : VY1219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2019 10:37:05 AM

Quant Time: Dec 20 03:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121947	18.906	ug/l	98
40) Benzene	8.17	78	283773	20.011	ug/l	96
41) Methacrylonitrile	7.32	41	26630m	17.974	ug/l	
42) 1,2-Dichloroethane	8.25	62	71272	19.111	ug/l	100
43) Isopropyl Acetate	8.28	43	100247	18.923	ug/l	97
44) Trichloroethene	8.94	130	73119	20.063	ug/l	95
45) 1,2-Dichloropropane	9.22	63	72963	20.484	ug/l	98
46) Dibromomethane	9.30	93	36762	19.753	ug/l	99
47) Bromodichloromethane	9.50	83	85292	19.508	ug/l	95
48) Methyl methacrylate	9.30	41	42191	18.112	ug/l	92
49) 1,4-Dioxane	9.30	88	10372	393.315	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	263009	96.091	ug/l	100
52) Toluene	10.24	92	173708	19.784	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	90882	19.348	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	111630	20.106	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	56677	20.612	ug/l	98
56) Ethyl methacrylate	10.51	69	79304	20.161	ug/l	97
57) 1,3-Dichloropropane	10.79	76	96658	20.169	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	161447	101.792	ug/l	99
59) 2-Hexanone	10.83	43	179382	89.940	ug/l	98
60) Dibromochloromethane	10.98	129	57939	19.574	ug/l	97
61) 1,2-Dibromoethane	11.09	107	53656	20.705	ug/l	95
64) Tetrachloroethene	10.72	164	75991	20.206	ug/l	95
65) Chlorobenzene	11.51	112	179779	19.980	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.58	131	61042	20.131	ug/l	99
67) Ethyl Benzene	11.59	91	327431	19.540	ug/l	100
68) m/p-Xylenes	11.70	106	249701	39.700	ug/l	99
69) o-Xylene	12.03	106	118124	20.142	ug/l	98
70) Styrene	12.04	104	201408	20.057	ug/l	98
71) Bromoform	12.20	173	33256	19.446	ug/l #	98
73) Isopropylbenzene	12.33	105	313797	19.491	ug/l	99
74) N-amyl acetate	12.14	43	82768	18.470	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	61397	19.354	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	42005m	18.335	ug/l	
77) Bromobenzene	12.61	156	70620	20.236	ug/l	96
78) n-propylbenzene	12.67	91	388666	19.771	ug/l	100
79) 2-Chlorotoluene	12.75	91	211957	19.517	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	259928	19.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	22866	19.606	ug/l	100
82) 4-Chlorotoluene	12.85	91	218407	19.520	ug/l	99
83) tert-Butylbenzene	13.07	119	218855	19.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	260504	19.533	ug/l	98
85) sec-Butylbenzene	13.25	105	323533	19.849	ug/l	100
86) p-Isopropyltoluene	13.36	119	284188	20.046	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	136822	19.985	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	135197	19.945	ug/l	99
89) n-Butylbenzene	13.69	91	285052	19.887	ug/l	99
90) Hexachloroethane	13.95	117	51113	19.572	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	128785	20.913	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10476	19.726	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
Data File : VY001008.D
Acq On : 19 Dec 2019 12:30
Operator : SY/MD
Sample : VY1219SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBS01

Manual Integrations
APPROVED

MMDadoda
12/20/2019 10:37:05 AM

Quant Time: Dec 20 03:58:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	86665	20.798	ug/l	99
94) Hexachlorobutadiene	15.11	225	43538	21.074	ug/l	99
95) Naphthalene	15.23	128	195359	20.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	78434	21.073	ug/l	99

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

