

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110520\
 Data File : VY003521.D
 Acq On : 05 Nov 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Quant Time: Nov 06 00:07:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	257419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	361858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	329630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175128	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.14	65	118732	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
35) Dibromofluoromethane	7.72	113	107895	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	10.18	98	440816	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.48	95	146987	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.91	85	90888	44.624	ug/l	98
3) Chloromethane	2.12	50	120911	45.094	ug/l	98
4) Vinyl Chloride	2.26	62	135762	45.107	ug/l	100
5) Bromomethane	2.66	94	99992	39.764	ug/l	99
6) Chloroethane	2.80	64	87828	48.959	ug/l	98
7) Trichlorofluoromethane	3.13	101	184664	48.337	ug/l	100
8) Diethyl Ether	3.54	74	55294	47.198	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	108293	51.287	ug/l	98
10) Methyl Iodide	4.10	142	113226	52.038	ug/l	100
11) Tert butyl alcohol	4.96	59	49144	181.708	ug/l	98
12) 1,1-Dichloroethene	3.88	96	103272	49.157	ug/l	99
13) Acrolein	3.74	56	45601	208.214	ug/l	97
14) Allyl chloride	4.49	41	182794	47.692	ug/l	99
15) Acrylonitrile	5.17	53	124014	198.310	ug/l	99
16) Acetone	3.96	43	161807	185.863	ug/l	97
17) Carbon Disulfide	4.20	76	324054	47.614	ug/l	99
18) Methyl Acetate	4.49	43	64716	39.337	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	242402	46.585	ug/l	99
20) Methylene Chloride	4.72	84	116504	47.519	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	119423	49.092	ug/l	99
22) Diisopropyl ether	6.12	45	338256	50.316	ug/l	99
23) Vinyl Acetate	6.07	43	1137102	225.087	ug/l	100
24) 1,1-Dichloroethane	6.03	63	213892	50.069	ug/l	99
25) 2-Butanone	6.99	43	203045	186.480	ug/l	100
26) 2,2-Dichloropropane	6.99	77	197880	49.720	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	132094	50.112	ug/l	100
28) Bromochloromethane	7.34	49	102737	47.804	ug/l	98
29) Tetrahydrofuran	7.35	42	106863	187.825	ug/l	99
30) Chloroform	7.51	83	211102	50.311	ug/l	95
31) Cyclohexane	7.78	56	180037	45.516	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	194413	49.666	ug/l	99
36) 1,1-Dichloropropene	7.92	75	172598	50.589	ug/l	100
37) Ethyl Acetate	7.08	43	82121	38.763	ug/l	100
38) Carbon Tetrachloride	7.90	117	178229	50.356	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	186911	49.201	ug/l	99
40) Benzene	8.16	78	476800	50.218	ug/l	99
41) Methacrylonitrile	7.32	41	47094m	41.627	ug/l	
42) 1,2-Dichloroethane	8.24	62	141154	47.447	ug/l	99
43) Isopropyl Acetate	8.27	43	157851	41.459	ug/l	97
44) Trichloroethene	8.94	130	135771	50.937	ug/l	98 MMDadoda
45) 1,2-Dichloropropane	9.22	63	120355	50.196	ug/l	99
46) Dibromomethane	9.30	93	62089	47.068	ug/l	98
47) Bromodichloromethane	9.50	83	163462	50.628	ug/l	98
48) Methyl methacrylate	9.29	41	74966	41.798	ug/l	98
49) 1,4-Dioxane	9.30	88	12948	786.659	ug/l	99 11/6/2020 9:27:11 AM
51) 4-Methyl-2-Pentanone	10.07	43	407952	201.102	ug/l	99
52) Toluene	10.24	92	302272	50.900	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	166214	48.375	ug/l	97
54) cis-1,3-Dichloropropene	9.92	75	193979	50.170	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	89114	47.589	ug/l	98
56) Ethyl methacrylate	10.51	69	115016	45.856	ug/l	100
57) 1,3-Dichloropropane	10.79	76	156530	48.073	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	290943	228.819	ug/l	99
59) 2-Hexanone	10.83	43	294159	195.848	ug/l	99
60) Dibromochloromethane	10.99	129	114559	49.776	ug/l	100
61) 1,2-Dibromoethane	11.09	107	83464	46.169	ug/l	99
64) Tetrachloroethene	10.72	164	125778	51.094	ug/l	97
65) Chlorobenzene	11.52	112	324352	50.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	123431	51.108	ug/l	99
67) Ethyl Benzene	11.59	91	589522	50.768	ug/l	98
68) m/p-Xylenes	11.70	106	452255	102.775	ug/l	99
69) o-Xylene	12.03	106	209137	51.666	ug/l	100
70) Styrene	12.04	104	356900	51.928	ug/l	100
71) Bromoform	12.20	173	74953	46.562	ug/l #	99
73) Isopropylbenzene	12.33	105	577361	50.469	ug/l	99
74) N-amyl acetate	12.14	43	137647	42.477	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	105984	43.373	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	70404m	37.995	ug/l	
77) Bromobenzene	12.61	156	143863	49.495	ug/l	99
78) n-propylbenzene	12.67	91	684115	50.769	ug/l	100
79) 2-Chlorotoluene	12.75	91	379681	50.433	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	487054	51.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	36759	41.405	ug/l	99
82) 4-Chlorotoluene	12.85	91	396209	50.361	ug/l	99
83) tert-Butylbenzene	13.07	119	419603	49.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	484289	51.122	ug/l	99
85) sec-Butylbenzene	13.25	105	585029	51.397	ug/l	99
86) p-Isopropyltoluene	13.37	119	545463	51.672	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	275697	50.918	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	272005	50.520	ug/l	99
89) n-Butylbenzene	13.69	91	499778	51.834	ug/l	100
90) Hexachloroethane	13.96	117	90750	51.081	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	242068	50.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17436	39.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	172545	50.714	ug/l	100
94) Hexachlorobutadiene	15.11	225	112561	51.428	ug/l	99
95) Naphthalene	15.23	128	301500	44.253	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	151939	49.645	ug/l	98

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

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