

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001712.D
 Acq On : 20 Feb 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:17 PM

Quant Time: Feb 21 08:09:15 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	7.82	168	214816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	376193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	337467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	159715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	109178	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	7.75	113	98967	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
50) Toluene-d8	10.20	98	415848	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.49	95	151531	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	102066	48.743	ug/l	100
3) Chloromethane	2.13	50	129100	45.838	ug/l	99
4) Vinyl Chloride	2.27	62	130791	46.041	ug/l	99
5) Bromomethane	2.67	94	83305	46.921	ug/l	100
6) Chloroethane	2.82	64	80150	45.786	ug/l	100
7) Trichlorofluoromethane	3.16	101	171994	47.306	ug/l	98
8) Diethyl Ether	3.56	74	64402	44.932	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	105208	46.038	ug/l	98
10) Methyl Iodide	4.13	142	130762	46.754	ug/l	99
11) Tert butyl alcohol	5.00	59	55640	203.105	ug/l	99
12) 1,1-Dichloroethene	3.91	96	105791	45.389	ug/l	96
13) Acrolein	3.77	56	57174	244.998	ug/l	100
14) Allyl chloride	4.52	41	192345	46.369	ug/l	98
15) Acrylonitrile	5.21	53	166972	227.273	ug/l	99
16) Acetone	3.98	43	198500	248.276	ug/l	96
17) Carbon Disulfide	4.23	76	348203	44.747	ug/l	100
18) Methyl Acetate	4.52	43	76993	44.220	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	295845	45.589	ug/l	98
20) Methylene Chloride	4.75	84	119559	42.100	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	119953	45.107	ug/l	99
22) Diisopropyl ether	6.16	45	390761	45.871	ug/l	96
23) Vinyl Acetate	6.10	43	1297835	233.563	ug/l	99
24) 1,1-Dichloroethane	6.06	63	208952	45.893	ug/l	99
25) 2-Butanone	7.02	43	264710	243.724	ug/l	98
26) 2,2-Dichloropropane	7.02	77	183683	46.370	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	132597	45.173	ug/l	99
28) Bromochloromethane	7.37	49	99334	52.374	ug/l	97
29) Tetrahydrofuran	7.38	42	149629	227.931	ug/l	99
30) Chloroform	7.54	83	200812	45.138	ug/l	99
31) Cyclohexane	7.82	56	215512	44.395	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	173918	46.514	ug/l	99
36) 1,1-Dichloropropene	7.95	75	168461	46.881	ug/l	99
37) Ethyl Acetate	7.11	43	98939	46.132	ug/l	99
38) Carbon Tetrachloride	7.93	117	151332	47.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	224281	47.047	ug/l	98
40) Benzene	8.19	78	491351	46.493	ug/l	100
41) Methacrylonitrile	7.36	41	58908m	54.703	ug/l	
42) 1,2-Dichloroethane	8.27	62	135066	46.912	ug/l	100
43) Isopropyl Acetate	8.30	43	192636	47.339	ug/l	100
44) Trichloroethene	8.96	130	123713	46.893	ug/l	96
45) 1,2-Dichloropropane	9.24	63	125945	47.585	ug/l	99
46) Dibromomethane	9.33	93	64632	46.688	ug/l	98
47) Bromodichloromethane	9.52	83	157592	47.168	ug/l	100
48) Methyl methacrylate	9.31	41	86765	47.145	ug/l	99
49) 1,4-Dioxane	9.32	88	17725	906.541	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	507370	242.672	ug/l	98
52) Toluene	10.26	92	310378	47.083	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	176121	47.683	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	201185	47.326	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96195	47.125	ug/l	97
56) Ethyl methacrylate	10.52	69	147081	48.030	ug/l	98
57) 1,3-Dichloropropane	10.81	76	171553	47.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	267645	230.946	ug/l	100
59) 2-Hexanone	10.85	43	395634	252.200	ug/l	98
60) Dibromochloromethane	11.00	129	107049	47.567	ug/l	99
61) 1,2-Dibromoethane	11.10	107	91810	47.568	ug/l	98
64) Tetrachloroethene	10.74	164	97855	46.191	ug/l	98
65) Chlorobenzene	11.53	112	315228	46.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	106312	46.777	ug/l	99
67) Ethyl Benzene	11.61	91	596429	47.702	ug/l	100
68) m/p-Xylenes	11.72	106	443622	94.984	ug/l	99
69) o-Xylene	12.04	106	209709	47.229	ug/l	100
70) Styrene	12.06	104	365128	47.316	ug/l	99
71) Bromoform	12.22	173	61575	47.408	ug/l #	98
73) Isopropylbenzene	12.35	105	574182	47.190	ug/l	100
74) N-amyl acetate	12.16	43	182819	47.080	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	120971	46.563	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	87745m	47.892	ug/l	
77) Bromobenzene	12.62	156	122220	46.337	ug/l	99
78) n-propylbenzene	12.68	91	705168	47.586	ug/l	99
79) 2-Chlorotoluene	12.77	91	388225	46.710	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	478388	47.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	46487	48.137	ug/l	94
82) 4-Chlorotoluene	12.86	91	413944	47.222	ug/l	100
83) tert-Butylbenzene	13.09	119	404951	48.072	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	476691	47.473	ug/l	100
85) sec-Butylbenzene	13.27	105	589688	47.597	ug/l	100
86) p-Isopropyltoluene	13.38	119	512042	47.575	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	236924	46.315	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	238567	46.136	ug/l	99
89) n-Butylbenzene	13.70	91	524940	47.732	ug/l	99
90) Hexachloroethane	13.97	117	96744	47.708	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	219533	46.503	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20323	47.400	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142175	45.446	ug/l	99
94) Hexachlorobutadiene	15.12	225	70165	45.098	ug/l	100
95) Naphthalene	15.25	128	331611	45.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	124627	45.281	ug/l	98

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

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