

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064749.D
 Acq On : 03 Jan 2020 23:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:01 AM

Quant Time: Jan 06 07:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	366789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	489425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169802	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.91	113	169656	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	638026	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.64	95	206091	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131952	46.291	ug/l	99
3) Chloromethane	2.21	50	205154	51.461	ug/l	99
4) Vinyl Chloride	2.35	62	246688	50.751	ug/l	97
5) Bromomethane	2.77	94	177201	50.139	ug/l	99
6) Chloroethane	2.92	64	173803	53.364	ug/l	99
7) Trichlorofluoromethane	3.27	101	410867	50.201	ug/l	99
8) Diethyl Ether	3.71	74	88685	54.567	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	170417	50.278	ug/l	99
10) Methyl Iodide	4.29	142	203313	55.843	ug/l	100
11) Tert butyl alcohol	5.24	59	60276	325.185	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	164119	50.859	ug/l	100
13) Acrolein	3.92	56	77134	298.592	ug/l	98
14) Allyl chloride	4.71	41	267439	53.156	ug/l	99
15) Acrylonitrile	5.43	53	196568	290.367	ug/l	98
16) Acetone	4.17	43	182710	270.714	ug/l	92
17) Carbon Disulfide	4.40	76	500882	48.003	ug/l	99
18) Methyl Acetate	4.73	43	103814	57.013	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	411402	57.398	ug/l	96
20) Methylene Chloride	4.96	84	193771	59.509	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	192415	52.358	ug/l	99
22) Diisopropyl ether	6.37	45	579495	57.746	ug/l	99
23) Vinyl Acetate	6.31	43	1650094	289.867	ug/l	97
24) 1,1-Dichloroethane	6.27	63	335740	55.729	ug/l	98
25) 2-Butanone	7.22	43	259840	292.273	ug/l	98
26) 2,2-Dichloropropane	7.21	77	274942	49.086	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	219771	55.411	ug/l	99
28) Bromochloromethane	7.55	49	134167	57.290	ug/l	99
29) Tetrahydrofuran	7.57	42	165063	298.558	ug/l	99
30) Chloroform	7.71	83	358726	56.754	ug/l	99
31) Cyclohexane	7.98	56	283845	47.068	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	319558	53.827	ug/l	99
36) 1,1-Dichloropropene	8.11	75	273159	51.797	ug/l	99
37) Ethyl Acetate	7.30	43	116817	56.385	ug/l	99
38) Carbon Tetrachloride	8.10	117	294954	52.452	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	309900	48.518	ug/l	97
40) Benzene	8.35	78	773314	53.715	ug/l	98
41) Methacrylonitrile	7.53	41	56649m	47.127	ug/l	
42) 1,2-Dichloroethane	8.43	62	231553	55.658	ug/l	99
43) Isopropyl Acetate	8.46	43	230082	55.795	ug/l	100
44) Trichloroethene	9.11	130	219441	51.886	ug/l	100
45) 1,2-Dichloropropane	9.39	63	192419	55.979	ug/l	96
46) Dibromomethane	9.48	93	108183	56.450	ug/l	99
47) Bromodichloromethane	9.67	83	285481	55.981	ug/l	99
48) Methyl methacrylate	9.46	41	108173	55.712	ug/l	93
49) 1,4-Dioxane	9.47	88	25100	1135.851	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	583139	286.098	ug/l	100
52) Toluene	10.40	92	510926	54.093	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	263945	55.515	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	310841	55.446	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	145970	56.518	ug/l	92
56) Ethyl methacrylate	10.67	69	183229	56.806	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245459	55.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	312554	254.338	ug/l	99
59) 2-Hexanone	10.99	43	403547	291.706	ug/l	100
60) Dibromochloromethane	11.14	129	199994	55.996	ug/l	99
61) 1,2-Dibromoethane	11.25	107	143076	56.165	ug/l	97
64) Tetrachloroethene	10.88	164	207131	55.165	ug/l	97
65) Chlorobenzene	11.67	112	538018	52.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	214519	56.019	ug/l	97
67) Ethyl Benzene	11.75	91	970276	52.626	ug/l	98
68) m/p-Xylenes	11.86	106	752422	105.731	ug/l	98
69) o-Xylene	12.18	106	346627	53.925	ug/l	98
70) Styrene	12.20	104	614952	54.504	ug/l	99
71) Bromoform	12.37	173	120502	55.180	ug/l #	100
73) Isopropylbenzene	12.48	105	920006	52.842	ug/l	100
74) N-amyl acetate	12.30	43	209620	56.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	154798	56.599	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101037m	52.518	ug/l	
77) Bromobenzene	12.77	156	228853	53.495	ug/l	98
78) n-propylbenzene	12.83	91	1074985	52.925	ug/l	99
79) 2-Chlorotoluene	12.91	91	592907	53.138	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	773689	54.097	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	50620	55.030	ug/l	98
82) 4-Chlorotoluene	13.01	91	633219	53.328	ug/l	98
83) tert-Butylbenzene	13.23	119	653406	52.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	764278	53.657	ug/l	99
85) sec-Butylbenzene	13.41	105	898120	52.757	ug/l	99
86) p-Isopropyltoluene	13.53	119	859240	52.786	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	438943	53.823	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	434578	54.244	ug/l	99
89) n-Butylbenzene	13.86	91	774573	52.840	ug/l	99
90) Hexachloroethane	14.12	117	162195	52.162	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	373862	53.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24502	55.262	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	269451	52.623	ug/l	99
94) Hexachlorobutadiene	15.28	225	160254	49.736	ug/l	99
95) Naphthalene	15.41	128	452990	55.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	233406	53.396	ug/l	99

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

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