

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064534.D
 Acq On : 16 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:49:19 PM

Quant Time: Dec 17 04:16:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	402407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	551114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186437	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.92	113	190139	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	721984	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.64	95	236326	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167414	45.915	ug/l	99
3) Chloromethane	2.21	50	226499	49.251	ug/l	98
4) Vinyl Chloride	2.35	62	269973	50.843	ug/l	99
5) Bromomethane	2.77	94	195198	49.710	ug/l	96
6) Chloroethane	2.93	64	182577	51.443	ug/l	95
7) Trichlorofluoromethane	3.27	101	457986	51.883	ug/l	98
8) Diethyl Ether	3.71	74	96127	52.405	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193438	51.108	ug/l	98
10) Methyl Iodide	4.30	142	223268	55.860	ug/l	99
11) Tert butyl alcohol	5.26	59	55719	240.318	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	184160	50.773	ug/l	96
13) Acrolein	3.93	56	83937	265.416	ug/l	97
14) Allyl chloride	4.71	41	294180	51.970	ug/l	99
15) Acrylonitrile	5.43	53	209042	260.610	ug/l	97
16) Acetone	4.17	43	163348	221.925	ug/l	97
17) Carbon Disulfide	4.40	76	543462	47.309	ug/l	97
18) Methyl Acetate	4.73	43	107078	49.873	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	445184	53.507	ug/l	98
20) Methylene Chloride	4.96	84	211640	57.233	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	215074	52.421	ug/l	96
22) Diisopropyl ether	6.37	45	606828	54.304	ug/l	96
23) Vinyl Acetate	6.31	43	1773636	269.229	ug/l	99
24) 1,1-Dichloroethane	6.27	63	365770	54.428	ug/l	98
25) 2-Butanone	7.23	43	257647	247.517	ug/l	94
26) 2,2-Dichloropropane	7.21	77	310102	53.060	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	238166	53.245	ug/l	99
28) Bromochloromethane	7.55	49	125852	54.798	ug/l	99
29) Tetrahydrofuran	7.57	42	170679	257.721	ug/l	98
30) Chloroform	7.71	83	383540	55.107	ug/l	99
31) Cyclohexane	7.99	56	315147	54.088	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	346913	53.763	ug/l	98
36) 1,1-Dichloropropene	8.11	75	286139	50.250	ug/l	99
37) Ethyl Acetate	7.30	43	120402	49.831	ug/l	99
38) Carbon Tetrachloride	8.10	117	308331	51.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352694	49.932	ug/l	96
40) Benzene	8.36	78	811391	51.304	ug/l	100
41) Methacrylonitrile	7.53	41	63750	46.007	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	241017	52.257	ug/l	99
43) Isopropyl Acetate	8.46	43	245530	51.683	ug/l	99
44) Trichloroethene	9.11	130	239677	50.310	ug/l	100
45) 1,2-Dichloropropane	9.39	63	202286	53.481	ug/l	99
46) Dibromomethane	9.48	93	111755	52.350	ug/l	99
47) Bromodichloromethane	9.67	83	299750	54.647	ug/l	97
48) Methyl methacrylate	9.46	41	113000	51.981	ug/l	98
49) 1,4-Dioxane	9.47	88	27246	1033.563	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	600671	255.539	ug/l	99
52) Toluene	10.40	92	543146	52.697	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	280049	53.571	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337704	54.379	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	149916	51.287	ug/l	95
56) Ethyl methacrylate	10.66	69	201520	54.052	ug/l	99
57) 1,3-Dichloropropane	10.95	76	263246	52.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	390281	262.600	ug/l	99
59) 2-Hexanone	10.99	43	418081	256.325	ug/l	100
60) Dibromochloromethane	11.14	129	210257	53.051	ug/l	98
61) 1,2-Dibromoethane	11.25	107	150991	51.734	ug/l	99
64) Tetrachloroethene	10.88	164	207270	49.319	ug/l	98
65) Chlorobenzene	11.67	112	592564	51.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	228090	53.604	ug/l	99
67) Ethyl Benzene	11.74	91	1065679	52.108	ug/l	98
68) m/p-Xylenes	11.86	106	816353	104.689	ug/l	100
69) o-Xylene	12.18	106	384671	53.413	ug/l	99
70) Styrene	12.20	104	684954	54.731	ug/l	99
71) Bromoform	12.37	173	134493	52.830	ug/l #	97
73) Isopropylbenzene	12.48	105	1037241	50.068	ug/l	100
74) N-amyl acetate	12.29	43	271864	57.820	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	167573	48.914	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	120397m	50.826	ug/l	
77) Bromobenzene	12.77	156	262470	51.305	ug/l	98
78) n-propylbenzene	12.83	91	1197438	50.096	ug/l	100
79) 2-Chlorotoluene	12.91	91	661427	50.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	873593	51.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	52508	48.335	ug/l	98
82) 4-Chlorotoluene	13.01	91	700973	50.337	ug/l	99
83) tert-Butylbenzene	13.23	119	756363	51.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	891935	52.396	ug/l	96
85) sec-Butylbenzene	13.41	105	1021122	50.550	ug/l	100
86) p-Isopropyltoluene	13.52	119	985108	51.655	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	487818	50.239	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481612	50.239	ug/l	98
89) n-Butylbenzene	13.85	91	882105	50.934	ug/l	99
90) Hexachloroethane	14.12	117	184372	51.689	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423245	51.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28517	56.257	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313968	49.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	197133	50.247	ug/l	99
95) Naphthalene	15.41	128	535429	50.484	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	273046	50.333	ug/l	99

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

