

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064589.D
 Acq On : 26 Dec 2019 10:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:06:55 PM

Quant Time: Dec 27 02:26:03 2019
 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	492540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	696963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202657	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	7.92	113	205577	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.34	98	808230	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	251496	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	188846	49.336	ug/l	98
3) Chloromethane	2.21	50	261648	48.876	ug/l	98
4) Vinyl Chloride	2.35	62	314866	48.239	ug/l	95
5) Bromomethane	2.77	94	213276	44.939	ug/l	98
6) Chloroethane	2.92	64	207076	47.347	ug/l	96
7) Trichlorofluoromethane	3.27	101	525492	47.814	ug/l	99
8) Diethyl Ether	3.70	74	101190	46.366	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	223293	49.059	ug/l	98
10) Methyl Iodide	4.29	142	254644	52.084	ug/l	99
11) Tert butyl alcohol	5.25	59	62189	249.847	ug/l	96
12) 1,1-Dichloroethene	4.06	96	217639	50.225	ug/l	99
13) Acrolein	3.93	56	83598	240.992	ug/l	97
14) Allyl chloride	4.71	41	343941	50.908	ug/l	98
15) Acrylonitrile	5.43	53	208559	229.423	ug/l	98
16) Acetone	4.16	43	265668	296.532	ug/l	98
17) Carbon Disulfide	4.40	76	691274	49.336	ug/l	99
18) Methyl Acetate	4.73	43	106425	43.525	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	462569	48.060	ug/l	96
20) Methylene Chloride	4.96	84	220972	49.720	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	246909	50.033	ug/l	98
22) Diisopropyl ether	6.37	45	662967	49.197	ug/l	99
23) Vinyl Acetate	6.31	43	1901166	248.705	ug/l	100
24) 1,1-Dichloroethane	6.26	63	405980	50.183	ug/l	97
25) 2-Butanone	7.22	43	303553	254.268	ug/l	99
26) 2,2-Dichloropropane	7.21	77	381630	50.738	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	262790	49.341	ug/l	98
28) Bromochloromethane	7.55	49	155655	49.496	ug/l	98
29) Tetrahydrofuran	7.57	42	172390	232.202	ug/l	99
30) Chloroform	7.71	83	410181	48.327	ug/l	98
31) Cyclohexane	7.98	56	390318	48.199	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	400293	50.211	ug/l	100
36) 1,1-Dichloropropene	8.11	75	335670	50.038	ug/l	98
37) Ethyl Acetate	7.30	43	129150	49.007	ug/l	100
38) Carbon Tetrachloride	8.10	117	375143	52.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	423021	52.065	ug/l	97
40) Benzene	8.35	78	923800	50.446	ug/l	98
41) Methacrylonitrile	7.53	41	74929	49.004	ug/l	94
42) 1,2-Dichloroethane	8.43	62	260597	49.244	ug/l	99
43) Isopropyl Acetate	8.46	43	248997	47.469	ug/l	99
44) Trichloroethene	9.11	130	270309	50.246	ug/l	94
45) 1,2-Dichloropropane	9.38	63	219964	50.307	ug/l	98
46) Dibromomethane	9.47	93	118634	48.665	ug/l	98
47) Bromodichloromethane	9.66	83	321471	49.557	ug/l	100
48) Methyl methacrylate	9.46	41	117308	47.496	ug/l	92
49) 1,4-Dioxane	9.46	88	27064	962.817	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	610295	235.389	ug/l	99
52) Toluene	10.40	92	604973	50.353	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	302957	50.094	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	360749	50.587	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	160736	48.926	ug/l	97
56) Ethyl methacrylate	10.66	69	200577	48.886	ug/l	99
57) 1,3-Dichloropropane	10.95	76	271833	48.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	351551	224.894	ug/l	98
59) 2-Hexanone	10.98	43	461862	262.463	ug/l	99
60) Dibromochloromethane	11.14	129	218738	48.147	ug/l	100
61) 1,2-Dibromoethane	11.25	107	159376	49.185	ug/l	97
64) Tetrachloroethene	10.88	164	234345	49.913	ug/l	97
65) Chlorobenzene	11.67	112	622462	49.006	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	237564	49.613	ug/l	100
67) Ethyl Benzene	11.74	91	1163430	50.465	ug/l	100
68) m/p-Xylenes	11.86	106	897173	100.823	ug/l	98
69) o-Xylene	12.18	106	402442	50.070	ug/l	98
70) Styrene	12.20	104	710616	50.369	ug/l	98
71) Bromoform	12.37	173	130747	47.881	ug/l #	99
73) Isopropylbenzene	12.48	105	1117155	52.706	ug/l	100
74) N-amyl acetate	12.29	43	231205	51.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163010	48.956	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	96635m	41.259	ug/l	
77) Bromobenzene	12.77	156	261528	50.215	ug/l	98
78) n-propylbenzene	12.83	91	1299262	52.542	ug/l	99
79) 2-Chlorotoluene	12.91	91	694281	51.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	921387	52.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57804	51.617	ug/l	98
82) 4-Chlorotoluene	13.01	91	745079	51.541	ug/l	100
83) tert-Butylbenzene	13.23	119	800293	52.938	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	903995	52.131	ug/l	100
85) sec-Butylbenzene	13.41	105	1104480	53.291	ug/l	99
86) p-Isopropyltoluene	13.53	119	1052193	53.095	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	501282	50.489	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	489593	50.197	ug/l	100
89) n-Butylbenzene	13.85	91	953902	53.451	ug/l	99
90) Hexachloroethane	14.12	117	193038	50.994	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422945	49.957	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25612	47.449	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	313996	50.371	ug/l	99
94) Hexachlorobutadiene	15.28	225	202710	51.676	ug/l	98
95) Naphthalene	15.41	128	490648	49.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	268623	50.477	ug/l	99

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

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