

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064518.D
 Acq On : 16 Dec 2019 11:27
 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
 12/17/2019 4:49:06 PM

Quant Time: Dec 17 02:44:00 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	7.98	168	430261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	608047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	526177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193259	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.92	113	202969	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.34	98	776942	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.64	95	240166	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	183573	47.087	ug/l	98
3) Chloromethane	2.21	50	232761	47.336	ug/l	98
4) Vinyl Chloride	2.35	62	283397	49.916	ug/l	98
5) Bromomethane	2.77	94	199374	47.487	ug/l	98
6) Chloroethane	2.93	64	187979	49.536	ug/l	95
7) Trichlorofluoromethane	3.27	101	492547	52.186	ug/l	96
8) Diethyl Ether	3.71	74	93402	47.623	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	211897	52.361	ug/l	98
10) Methyl Iodide	4.30	142	237163	55.495	ug/l	100
11) Tert butyl alcohol	5.24	59	49301	198.871	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	200288	51.645	ug/l	95
13) Acrolein	3.93	56	89448	264.532	ug/l	100
14) Allyl chloride	4.71	41	318299	52.591	ug/l	99
15) Acrylonitrile	5.43	53	191309	223.063	ug/l	99
16) Acetone	4.17	43	228744	290.654	ug/l	100
17) Carbon Disulfide	4.40	76	599120	48.777	ug/l	97
18) Methyl Acetate	4.72	43	99365	43.285	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	418130	47.002	ug/l	100
20) Methylene Chloride	4.96	84	205834	51.618	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	224019	51.067	ug/l	98
22) Diisopropyl ether	6.37	45	602949	50.464	ug/l	96
23) Vinyl Acetate	6.31	43	1702426	241.690	ug/l	99
24) 1,1-Dichloroethane	6.27	63	371834	51.748	ug/l	99
25) 2-Butanone	7.23	43	255477	229.543	ug/l	99
26) 2,2-Dichloropropane	7.21	77	350687	56.120	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	239624	50.103	ug/l	98
28) Bromochloromethane	7.55	49	135722	55.270	ug/l	99
29) Tetrahydrofuran	7.57	42	151900	214.517	ug/l	99
30) Chloroform	7.71	83	383069	51.476	ug/l	98
31) Cyclohexane	7.98	56	347229	55.890	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	367555	53.275	ug/l	99
36) 1,1-Dichloropropene	8.11	75	308255	53.597	ug/l	99
37) Ethyl Acetate	7.30	43	111395	45.647	ug/l	98
38) Carbon Tetrachloride	8.10	117	338758	55.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	382688	53.641	ug/l	97
40) Benzene	8.35	78	837266	52.415	ug/l	98
41) Methacrylonitrile	7.53	41	65144	46.547	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	236382	50.744	ug/l	98
43) Isopropyl Acetate	8.46	43	224288	46.743	ug/l	100
44) Trichloroethene	9.11	130	251716	52.313	ug/l	100
45) 1,2-Dichloropropane	9.39	63	200895	52.587	ug/l	98
46) Dibromomethane	9.47	93	107148	49.694	ug/l	98
47) Bromodichloromethane	9.66	83	285655	51.561	ug/l	97
48) Methyl methacrylate	9.46	41	113229	51.570	ug/l	89
49) 1,4-Dioxane	9.47	88	22635	850.135	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	546492	230.185	ug/l	99
52) Toluene	10.40	92	549111	52.747	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	273643	51.827	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	327417	52.199	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	142873	48.393	ug/l	97
56) Ethyl methacrylate	10.66	69	181831	48.288	ug/l	100
57) 1,3-Dichloropropane	10.95	76	247324	49.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362267	241.334	ug/l	100
59) 2-Hexanone	10.99	43	399644	242.592	ug/l	100
60) Dibromochloromethane	11.14	129	202448	50.574	ug/l	98
61) 1,2-Dibromoethane	11.25	107	138728	47.061	ug/l	99
64) Tetrachloroethene	10.88	164	211311	52.663	ug/l	99
65) Chlorobenzene	11.67	112	571499	52.076	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	217935	53.645	ug/l	98
67) Ethyl Benzene	11.75	91	1053353	53.947	ug/l	98
68) m/p-Xylenes	11.86	106	814004	109.335	ug/l	99
69) o-Xylene	12.18	106	367356	53.427	ug/l	100
70) Styrene	12.20	104	631926	52.887	ug/l	100
71) Bromoform	12.37	173	118256	48.654	ug/l #	98
73) Isopropylbenzene	12.48	105	1017633	54.541	ug/l	99
74) N-amyl acetate	12.29	43	203921	48.155	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	146895	47.608	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	94688m	44.383	ug/l	
77) Bromobenzene	12.77	156	242535	52.638	ug/l	99
78) n-propylbenzene	12.83	91	1192172	55.378	ug/l	100
79) 2-Chlorotoluene	12.91	91	643057	54.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	826951	54.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49887	50.988	ug/l	99
82) 4-Chlorotoluene	13.01	91	668488	53.300	ug/l	100
83) tert-Butylbenzene	13.23	119	728445	54.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	824388	53.770	ug/l	99
85) sec-Butylbenzene	13.41	105	1013417	55.703	ug/l	99
86) p-Isopropyltoluene	13.53	119	939754	54.713	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	462985	52.942	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	445646	51.616	ug/l	99
89) n-Butylbenzene	13.86	91	873494	56.001	ug/l	99
90) Hexachloroethane	14.12	117	177830	55.354	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	382672	51.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22345	48.320	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	289407	50.563	ug/l	99
94) Hexachlorobutadiene	15.28	225	187395	53.034	ug/l	96
95) Naphthalene	15.41	128	452328	47.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	244125	49.966	ug/l	100

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

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