

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060567.D
 Acq On : 14 Dec 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:03 PM

Quant Time: Dec 14 22:28:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1576248	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2186529	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1751420	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	864853	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	569742	51.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	6.31	113	843099	52.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	9.43	98	2417715	52.02	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.42	95	878431	52.82	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	729028	48.429	ug/l	99
3) Chloromethane	1.77	50	735355	45.406	ug/l	97
4) Vinyl Chloride	1.87	62	622950	48.196	ug/l	100
5) Bromomethane	2.16	94	162312	50.197	ug/l	94
6) Chloroethane	2.27	64	207028	49.325	ug/l	98
7) Trichlorofluoromethane	2.52	101	733004	49.115	ug/l	99
8) Diethyl Ether	2.83	74	135639	52.618	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.10	101	491987	50.807	ug/l	98
10) Methyl Iodide	3.24	142	578113	51.074	ug/l	99
11) Tert butyl alcohol	3.96	59	114465	252.180	ug/l	96
12) 1,1-Dichloroethene	3.08	96	396980	50.387	ug/l	94
13) Acrolein	2.98	56	146695	295.774	ug/l	88
14) Allyl chloride	3.53	41	768444	51.408	ug/l	99
15) Acrylonitrile	4.08	53	665979	258.403	ug/l	98
16) Acetone	3.16	43	470979	262.993	ug/l	99
17) Carbon Disulfide	3.31	76	1266477	49.488	ug/l	100
18) Methyl Acetate	3.55	43	196319	46.125	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	1145542	52.431	ug/l	100
20) Methylene Chloride	3.72	84	827051	50.326	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	867910	50.643	ug/l	97
22) Diisopropyl ether	4.85	45	2765469	51.528	ug/l	99
23) Vinyl Acetate	4.80	43	7025394	264.204	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1467898	52.648	ug/l	100
25) 2-Butanone	5.61	43	964248	273.676	ug/l	100
26) 2,2-Dichloropropane	5.58	77	1132913	52.599	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	908947	52.163	ug/l	97
28) Bromochloromethane	5.91	49	616498	49.914	ug/l	99
29) Tetrahydrofuran	5.94	42	515499	258.373	ug/l	100
30) Chloroform	6.09	83	1460249	51.986	ug/l	98
31) Cyclohexane	6.35	56	1310777	55.391	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	1204323	52.153	ug/l	98
36) 1,1-Dichloropropene	6.51	75	1115552	52.195	ug/l	99
37) Ethyl Acetate	5.68	43	477430	51.508	ug/l	99
38) Carbon Tetrachloride	6.48	117	1007177	52.491	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1245439	51.116	ug/l	100
40) Benzene	6.78	78	2911346	53.299	ug/l	99
41) Methacrylonitrile	5.91	41	283647m	56.767	ug/l	
42) 1,2-Dichloroethane	6.88	62	729702	52.541	ug/l	98
43) Isopropyl Acetate	8.33	43	611417	53.436	ug/l	95
44) Trichloroethene	7.72	130	865886	53.044	ug/l	98
45) 1,2-Dichloropropane	8.09	63	715602	52.970	ug/l	99
46) Dibromomethane	8.19	93	417501	53.489	ug/l	94
47) Bromodichloromethane	8.47	83	1004994	54.265	ug/l	99
48) Methyl methacrylate	8.22	41	369279	54.545	ug/l	98
49) 1,4-Dioxane	8.21	88	69462	1132.036	ug/l #	84
51) 4-Methyl-2-Pentanone	9.33	43	1970468	276.850	ug/l	100
52) Toluene	9.53	92	1788142	52.376	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	842810	55.383	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	1106618	55.347	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	496155	52.186	ug/l	98
56) Ethyl methacrylate	10.01	69	465459	54.095	ug/l	98
57) 1,3-Dichloropropane	10.37	76	787092	53.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	1338365	259.955	ug/l	96
59) 2-Hexanone	10.47	43	1421060	285.645	ug/l	97
60) Dibromochloromethane	10.63	129	661001	55.607	ug/l	100
61) 1,2-Dibromoethane	10.74	107	528808	54.578	ug/l	99
64) Tetrachloroethene	10.23	164	805593	51.945	ug/l	98
65) Chlorobenzene	11.30	112	1931199	52.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	650059	54.432	ug/l	98
67) Ethyl Benzene	11.41	91	3285721	51.989	ug/l	98
68) m/p-Xylenes	11.55	106	2429692	103.916	ug/l	100
69) o-Xylene	11.92	106	1166139	52.334	ug/l	98
70) Styrene	11.94	104	1916651	53.589	ug/l	100
71) Bromoform	12.10	173	431677	54.179	ug/l	98
73) Isopropylbenzene	12.27	105	3278804	53.575	ug/l	98
74) N-amyl acetate	12.12	43	806348	54.516	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	526494	53.737	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	534646	54.560	ug/l	99
77) Bromobenzene	12.52	156	870160	54.092	ug/l	94
78) n-propylbenzene	12.62	91	4011427	51.852	ug/l	98
79) 2-Chlorotoluene	12.69	91	2211572	52.682	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	2461825	52.643	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	155643	56.948	ug/l	97
82) 4-Chlorotoluene	12.80	91	2467244	52.328	ug/l	96
83) tert-Butylbenzene	13.04	119	2810003	53.592	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2519117	52.025	ug/l	98
85) sec-Butylbenzene	13.21	105	3357623	51.378	ug/l	97
86) p-Isopropyltoluene	13.33	119	2605184	50.288	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1507003	51.740	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1506920	52.738	ug/l	97
89) n-Butylbenzene	13.64	91	2816763	56.319	ug/l	99
90) Hexachloroethane	13.84	117	710611	54.709	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	1234849	51.878	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	64540	54.365	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	998234	53.647	ug/l	97
94) Hexachlorobutadiene	14.87	225	742838	54.108	ug/l	99
95) Naphthalene	14.96	128	1215414	54.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	809736	54.614	ug/l	98

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

