

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060509.D
 Acq On : 7 Dec 2018 10:31
 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
 12/10/2018 4:46:25 PM

Quant Time: Dec 08 02:07:14 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	6.40	168	1816882	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2494700	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1969520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	1015385	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	630331	48.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	6.32	113	941751	51.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	9.45	98	2748346	51.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.42	95	970600	51.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	849768	49.059	ug/l	99
3) Chloromethane	1.78	50	853437	45.718	ug/l	97
4) Vinyl Chloride	1.87	62	725435	48.692	ug/l	98
5) Bromomethane	2.17	94	194140	52.088	ug/l	98
6) Chloroethane	2.28	64	237704	49.080	ug/l	94
7) Trichlorofluoromethane	2.53	101	830760	48.292	ug/l	99
8) Diethyl Ether	2.84	74	142675	48.017	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.10	101	553701	49.607	ug/l	97
10) Methyl Iodide	3.26	142	639928	49.048	ug/l	98
11) Tert butyl alcohol	3.98	59	131844	251.997	ug/l	98
12) 1,1-Dichloroethene	3.09	96	446404	49.156	ug/l	94
13) Acrolein	2.99	56	141568	247.632	ug/l	97
14) Allyl chloride	3.54	41	843108	48.932	ug/l	100
15) Acrylonitrile	4.09	53	723857	243.662	ug/l	98
16) Acetone	3.17	43	599656	290.498	ug/l	97
17) Carbon Disulfide	3.33	76	1395007	47.290	ug/l	100
18) Methyl Acetate	3.56	43	224888	45.840	ug/l #	93
19) Methyl tert-butyl Ether	4.13	73	1244330	49.409	ug/l	99
20) Methylene Chloride	3.73	84	919994	48.395	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	979590	49.589	ug/l	98
22) Diisopropyl ether	4.85	45	3028685	48.958	ug/l	95
23) Vinyl Acetate	4.80	43	7542130	246.071	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1580062	49.165	ug/l	98
25) 2-Butanone	5.62	43	1110220	273.373	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1271723	51.223	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	1005575	50.065	ug/l	99
28) Bromochloromethane	5.92	49	689700	48.445	ug/l	99
29) Tetrahydrofuran	5.94	42	573514	249.379	ug/l	99
30) Chloroform	6.10	83	1592023	49.171	ug/l	97
31) Cyclohexane	6.37	56	1463525	53.525	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	1363548	51.228	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1232166	50.529	ug/l	99
37) Ethyl Acetate	5.70	43	556866	52.656	ug/l	99
38) Carbon Tetrachloride	6.49	117	1129625	51.600	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1378864	49.602	ug/l	100
40) Benzene	6.78	78	3155475	50.633	ug/l	100
41) Methacrylonitrile	5.93	41	335857m	58.913	ug/l	
42) 1,2-Dichloroethane	6.89	62	786358	49.626	ug/l	99
43) Isopropyl Acetate	8.34	43	680295	52.111	ug/l #	97
44) Trichloroethene	7.73	130	952135	51.122	ug/l	97
45) 1,2-Dichloropropane	8.09	63	786735	51.042	ug/l	99
46) Dibromomethane	8.21	93	457093	51.327	ug/l	99
47) Bromodichloromethane	8.48	83	1089490	51.560	ug/l	98
48) Methyl methacrylate	8.24	41	421262	54.536	ug/l	99
49) 1,4-Dioxane	8.22	88	75306	1075.671	ug/l	89
51) 4-Methyl-2-Pentanone	9.33	43	2163564	266.430	ug/l	100
52) Toluene	9.54	92	1994301	51.199	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	924446	53.243	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1180634	51.755	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	541572	49.926	ug/l	98
56) Ethyl methacrylate	10.02	69	538970	54.901	ug/l	97
57) 1,3-Dichloropropane	10.37	76	860969	51.344	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1454133	247.551	ug/l	98
59) 2-Hexanone	10.48	43	1641120	289.128	ug/l	100
60) Dibromochloromethane	10.63	129	699352	51.566	ug/l	100
61) 1,2-Dibromoethane	10.75	107	564956	51.106	ug/l	99
64) Tetrachloroethene	10.23	164	883455	50.658	ug/l	97
65) Chlorobenzene	11.31	112	2121615	50.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	695483	51.787	ug/l	97
67) Ethyl Benzene	11.42	91	3578686	50.354	ug/l	99
68) m/p-Xylenes	11.55	106	2623815	99.792	ug/l	99
69) o-Xylene	11.93	106	1272892	50.799	ug/l	99
70) Styrene	11.95	104	2060673	51.235	ug/l	99
71) Bromoform	12.10	173	478802	53.439	ug/l	99
73) Isopropylbenzene	12.26	105	3499060	48.698	ug/l	99
74) N-amyl acetate	12.12	43	881525	50.763	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	578445	50.286	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	567757	49.349	ug/l	97
77) Bromobenzene	12.53	156	945606	50.067	ug/l	97
78) n-propylbenzene	12.63	91	4425922	48.729	ug/l	98
79) 2-Chlorotoluene	12.69	91	2394521	48.584	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2705372	49.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	169487	52.820	ug/l	98
82) 4-Chlorotoluene	12.80	91	2633989	47.583	ug/l	98
83) tert-Butylbenzene	13.04	119	3036893	49.332	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2729716	48.017	ug/l	98
85) sec-Butylbenzene	13.22	105	3701064	48.237	ug/l	94
86) p-Isopropyltoluene	13.33	119	2879858	47.349	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1641491	48.002	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1581128	47.132	ug/l	98
89) n-Butylbenzene	13.64	91	3015258	50.060	ug/l	99
90) Hexachloroethane	13.85	117	780933	51.210	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1313182	46.990	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	68894	49.429	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1071014	49.025	ug/l	97
94) Hexachlorobutadiene	14.87	225	766062	47.528	ug/l	98
95) Naphthalene	14.96	128	1271725	48.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	828973	47.623	ug/l	99

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

