

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122618\
 Data File : VD060709.D
 Acq On : 26 Dec 2018 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/27/2018 10:47:55 AM

Quant Time: Dec 27 01:55:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1725618	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2320778	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1925355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	981275	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	614721	51.55	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	6.31	113	949844	55.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.84%	
50) Toluene-d8	9.43	98	2667422	52.63	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.41	95	959757	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	1073197	48.673	ug/l	100
3) Chloromethane	1.78	50	876311	43.185	ug/l	99
4) Vinyl Chloride	1.87	62	746961	46.364	ug/l	98
5) Bromomethane	2.17	94	172772	47.875	ug/l	97
6) Chloroethane	2.27	64	224121	46.614	ug/l	98
7) Trichlorofluoromethane	2.52	101	822995	45.927	ug/l	99
8) Diethyl Ether	2.84	74	143291	47.794	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	538852	46.358	ug/l	98
10) Methyl Iodide	3.25	142	597583	48.918	ug/l	98
11) Tert butyl alcohol	3.96	59	131602	264.058	ug/l	97
12) 1,1-Dichloroethene	3.08	96	433620	45.401	ug/l	99
13) Acrolein	2.98	56	124594	245.324	ug/l	94
14) Allyl chloride	3.53	41	811655	46.314	ug/l	98
15) Acrylonitrile	4.08	53	696263	240.636	ug/l	98
16) Acetone	3.16	43	595611	285.997	ug/l	97
17) Carbon Disulfide	3.32	76	1332731	43.693	ug/l	99
18) Methyl Acetate	3.55	43	233791	45.297	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	1189552	49.092	ug/l	100
20) Methylene Chloride	3.72	84	995983	46.051	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	930896	47.593	ug/l	98
22) Diisopropyl ether	4.84	45	2951242	49.598	ug/l	96
23) Vinyl Acetate	4.79	43	6983830	242.597	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1528089	48.824	ug/l	100
25) 2-Butanone	5.60	43	1048805	263.177	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1209364	48.951	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	955067	48.101	ug/l	98
28) Bromochloromethane	5.91	49	724118	54.766	ug/l	99
29) Tetrahydrofuran	5.94	42	532283	235.608	ug/l	99
30) Chloroform	6.08	83	1529201	48.557	ug/l	100
31) Cyclohexane	6.35	56	1373835	45.613	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	1287095	49.399	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1154995	48.331	ug/l	98
37) Ethyl Acetate	5.68	43	505374	50.564	ug/l	97
38) Carbon Tetrachloride	6.49	117	1044212	49.529	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1345973	49.384	ug/l	99
40) Benzene	6.77	78	2972148	48.148	ug/l	98
41) Methacrylonitrile	5.93	41	325807m	58.934	ug/l	
42) 1,2-Dichloroethane	6.87	62	746839	48.754	ug/l	99
43) Isopropyl Acetate	8.33	43	636202	49.603	ug/l	98
44) Trichloroethene	7.72	130	920443	50.379	ug/l	95
45) 1,2-Dichloropropane	8.08	63	753067	49.745	ug/l	100
46) Dibromomethane	8.20	93	434467	50.285	ug/l	97
47) Bromodichloromethane	8.46	83	1041235	50.882	ug/l	100
48) Methyl methacrylate	8.22	41	396382	50.883	ug/l	97
49) 1,4-Dioxane	8.21	88	74723	1031.649	ug/l	94
51) 4-Methyl-2-Pentanone	9.32	43	1933000	245.989	ug/l	99
52) Toluene	9.53	92	1870941	48.348	ug/l	97
53) t-1,3-Dichloropropene	9.89	75	881692	51.644	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	1146025	51.285	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	528866	50.794	ug/l	96
56) Ethyl methacrylate	10.01	69	498431	51.539	ug/l	99
57) 1,3-Dichloropropane	10.36	76	820493	49.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	1289302	226.260	ug/l	98
59) 2-Hexanone	10.46	43	1494474	271.705	ug/l	98
60) Dibromochloromethane	10.62	129	693760	52.311	ug/l	97
61) 1,2-Dibromoethane	10.74	107	557098	51.585	ug/l	94
64) Tetrachloroethene	10.23	164	841345	48.213	ug/l	99
65) Chlorobenzene	11.30	112	2029918	47.720	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	683929	50.005	ug/l	97
67) Ethyl Benzene	11.41	91	3434104	47.139	ug/l	99
68) m/p-Xylenes	11.54	106	2415416	90.725	ug/l	100
69) o-Xylene	11.92	106	1207470	47.804	ug/l	94
70) Styrene	11.94	104	1943428	47.773	ug/l	98
71) Bromoform	12.10	173	460125	50.965	ug/l	97
73) Isopropylbenzene	12.26	105	3308553	47.356	ug/l	99
74) N-amyl acetate	12.12	43	828738	50.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	557607	49.239	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	554234	49.611	ug/l	100
77) Bromobenzene	12.53	156	900207	48.804	ug/l	90
78) n-propylbenzene	12.63	91	4234911	47.414	ug/l	98
79) 2-Chlorotoluene	12.69	91	2315466	48.400	ug/l	94
80) 1,3,5-Trimethylbenzene	12.77	105	2607149	48.326	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.32	75	160116	51.868	ug/l	97
82) 4-Chlorotoluene	12.79	91	2489830	45.918	ug/l	93
83) tert-Butylbenzene	13.03	119	2848432	46.393	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	2629454	47.323	ug/l	100
85) sec-Butylbenzene	13.21	105	3609041	48.200	ug/l	98
86) p-Isopropyltoluene	13.33	119	2888000	47.782	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1604845	47.396	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1567508	46.979	ug/l	96
89) n-Butylbenzene	13.63	91	2888793	46.771	ug/l	97
90) Hexachloroethane	13.85	117	761462	51.283	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	1257883	46.310	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	66676	50.117	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	1047883	48.483	ug/l	96
94) Hexachlorobutadiene	14.87	225	772744	48.370	ug/l	100
95) Naphthalene	14.96	128	1255450	48.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	835440	49.447	ug/l	97

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

