

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060631.D
 Acq On : 19 Dec 2018 10:30
 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
 12/20/2018 11:58:41 AM

Quant Time: Dec 20 00:51:38 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	6.41	168	1582919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2168034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1794676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	948541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	534864	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	6.32	113	758430	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	9.45	98	2193397	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.42	95	793405	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	688720	45.107	ug/l	99
3) Chloromethane	1.78	50	707753	43.518	ug/l	100
4) Vinyl Chloride	1.87	62	608477	46.878	ug/l	98
5) Bromomethane	2.18	94	167440	51.564	ug/l	97
6) Chloroethane	2.28	64	205595	48.628	ug/l	95
7) Trichlorofluoromethane	2.53	101	766256	51.126	ug/l	100
8) Diethyl Ether	2.85	74	128376	49.590	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	511267	52.575	ug/l	98
10) Methyl Iodide	3.26	142	594311	52.284	ug/l	100
11) Tert butyl alcohol	3.98	59	94286	206.848	ug/l	98
12) 1,1-Dichloroethene	3.09	96	413561	52.270	ug/l	90
13) Acrolein	3.00	56	119810	240.549	ug/l	92
14) Allyl chloride	3.55	41	741333	49.385	ug/l	99
15) Acrylonitrile	4.10	53	619158	239.224	ug/l	97
16) Acetone	3.17	43	506347	281.551	ug/l	98
17) Carbon Disulfide	3.33	76	1216975	47.353	ug/l	99
18) Methyl Acetate	3.58	43	198898	46.534	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1046920	47.715	ug/l	100
20) Methylene Chloride	3.73	84	831060	50.360	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	835218	48.530	ug/l	97
22) Diisopropyl ether	4.86	45	2628324	48.766	ug/l	100
23) Vinyl Acetate	4.82	43	6473700	242.430	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1439189	51.401	ug/l	99
25) 2-Butanone	5.62	43	945356	267.184	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1155801	53.435	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	883305	50.478	ug/l	96
28) Bromochloromethane	5.93	49	609184	49.114	ug/l	94
29) Tetrahydrofuran	5.96	42	474941	237.041	ug/l	100
30) Chloroform	6.10	83	1436047	50.909	ug/l	99
31) Cyclohexane	6.37	56	1237051	51.805	ug/l	95
32) 1,1,1-Trichloroethane	6.29	97	1158640	49.964	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1109391	52.349	ug/l	99
37) Ethyl Acetate	5.70	43	448262	48.773	ug/l	98
38) Carbon Tetrachloride	6.50	117	985610	51.805	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1210327	50.099	ug/l	99
40) Benzene	6.79	78	2921000	53.932	ug/l	100
41) Methacrylonitrile	5.93	41	250432m	50.547	ug/l	
42) 1,2-Dichloroethane	6.89	62	718166	52.152	ug/l	98
43) Isopropyl Acetate	8.35	43	552181	48.671	ug/l #	96
44) Trichloroethene	7.74	130	843099	52.088	ug/l	98
45) 1,2-Dichloropropane	8.10	63	712577	53.196	ug/l	99
46) Dibromomethane	8.21	93	393269	50.814	ug/l	95
47) Bromodichloromethane	8.49	83	998960	54.399	ug/l	98
48) Methyl methacrylate	8.24	41	338371	50.406	ug/l	99
49) 1,4-Dioxane	8.22	88	62008	1019.178	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	1813163	256.922	ug/l	99
52) Toluene	9.55	92	1740334	51.411	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	819150	54.288	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1077053	54.328	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	474721	50.357	ug/l	97
56) Ethyl methacrylate	10.02	69	453701	53.178	ug/l	98
57) 1,3-Dichloropropane	10.38	76	773144	53.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1333436	261.208	ug/l	100
59) 2-Hexanone	10.48	43	1384911	280.753	ug/l	97
60) Dibromochloromethane	10.63	129	635223	53.895	ug/l	96
61) 1,2-Dibromoethane	10.75	107	492512	51.265	ug/l	99
64) Tetrachloroethene	10.25	164	802054	50.470	ug/l	99
65) Chlorobenzene	11.31	112	1854300	48.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	651360	53.227	ug/l	96
67) Ethyl Benzene	11.42	91	3276350	50.591	ug/l	97
68) m/p-Xylenes	11.57	106	2370534	98.942	ug/l	99
69) o-Xylene	11.93	106	1163868	50.973	ug/l	98
70) Styrene	11.95	104	1868403	50.980	ug/l	97
71) Bromoform	12.11	173	416805	51.051	ug/l	99
73) Isopropylbenzene	12.27	105	3129475	46.624	ug/l	97
74) N-amyl acetate	12.13	43	744951	45.922	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	490599	45.655	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	501810	46.691	ug/l	98
77) Bromobenzene	12.54	156	853983	48.402	ug/l	86
78) n-propylbenzene	12.63	91	3984620	46.962	ug/l	96
79) 2-Chlorotoluene	12.70	91	2174993	47.240	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2364381	46.099	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	148560	49.561	ug/l	96
82) 4-Chlorotoluene	12.81	91	2389663	46.211	ug/l	96
83) tert-Butylbenzene	13.04	119	2754503	47.898	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	2470230	46.514	ug/l	98
85) sec-Butylbenzene	13.22	105	3373685	47.069	ug/l	95
86) p-Isopropyltoluene	13.34	119	2724284	47.948	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1543150	48.306	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1510644	48.204	ug/l	98
89) n-Butylbenzene	13.64	91	2794619	49.568	ug/l	98
90) Hexachloroethane	13.85	117	702999	49.348	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1222801	46.839	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	61018	46.863	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	981482	48.093	ug/l	97
94) Hexachlorobutadiene	14.87	225	711257	47.237	ug/l	98
95) Naphthalene	14.96	128	1145502	47.182	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	778003	47.844	ug/l	98

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

