

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060743.D
 Acq On : 28 Dec 2018 12:20
 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
 1/2/2019 1:14:41 PM

Quant Time: Dec 29 03:25:22 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	6.42	168	1510440	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	2111264	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1752839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	545856	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	6.34	113	794550	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	9.47	98	2338491	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.43	95	848915	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	865519	44.846	ug/l	100
3) Chloromethane	1.79	50	752564	42.370	ug/l	97
4) Vinyl Chloride	1.88	62	624313	44.272	ug/l	100
5) Bromomethane	2.18	94	194100	61.447	ug/l	97
6) Chloroethane	2.29	64	226619	53.849	ug/l	99
7) Trichlorofluoromethane	2.54	101	755679	48.178	ug/l	100
8) Diethyl Ether	2.85	74	126147	48.070	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.12	101	481912	47.366	ug/l	93
10) Methyl Iodide	3.28	142	544100	50.885	ug/l	97
11) Tert butyl alcohol	3.99	59	104072	238.568	ug/l	96
12) 1,1-Dichloroethene	3.10	96	401054	47.973	ug/l	96
13) Acrolein	3.01	56	82237	184.991	ug/l	99
14) Allyl chloride	3.56	41	773871	50.449	ug/l	99
15) Acrylonitrile	4.11	53	589183	232.637	ug/l	97
16) Acetone	3.18	43	438078	240.321	ug/l	93
17) Carbon Disulfide	3.34	76	1218362	45.634	ug/l	99
18) Methyl Acetate	3.58	43	240238	53.177	ug/l	99
19) Methyl tert-butyl Ether	4.15	73	1025743	48.362	ug/l	98
20) Methylene Chloride	3.75	84	758908m	40.088	ug/l	
21) trans-1,2-Dichloroethene	4.13	96	783492	45.763	ug/l	99
22) Diisopropyl ether	4.88	45	2474930	47.519	ug/l	99
23) Vinyl Acetate	4.83	43	5881284	233.403	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1324476	48.347	ug/l	99
25) 2-Butanone	5.64	43	820905	235.336	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1047843	48.456	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	821624	47.275	ug/l	100
28) Bromochloromethane	5.94	49	480989	41.560	ug/l	95
29) Tetrahydrofuran	5.97	42	448508	226.808	ug/l	99
30) Chloroform	6.12	83	1324274	48.040	ug/l	99
31) Cyclohexane	6.39	56	1130722	42.889	ug/l	97
32) 1,1,1-Trichloroethane	6.31	97	1058073	46.394	ug/l	97
36) 1,1-Dichloropropene	6.54	75	992570	45.656	ug/l	99
37) Ethyl Acetate	5.72	43	392589	43.178	ug/l	97
38) Carbon Tetrachloride	6.52	117	882704	46.023	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1096361	44.217	ug/l	100
40) Benzene	6.81	78	2645190	47.104	ug/l	99
41) Methacrylonitrile	5.94	41	195001m	38.773	ug/l	
42) 1,2-Dichloroethane	6.91	62	667480	47.897	ug/l	98
43) Isopropyl Acetate	8.35	43	526732	45.143	ug/l	99
44) Trichloroethene	7.75	130	802815	48.301	ug/l	100
45) 1,2-Dichloropropane	8.12	63	647057	46.984	ug/l	98
46) Dibromomethane	8.23	93	371339	47.244	ug/l	94
47) Bromodichloromethane	8.50	83	916955	49.255	ug/l	97
48) Methyl methacrylate	8.26	41	327450	46.206	ug/l	99
49) 1,4-Dioxane	8.24	88	60388	916.472	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	1649194	230.700	ug/l	99
52) Toluene	9.55	92	1656226	47.046	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	774276	49.852	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	987425	48.573	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	436033	46.034	ug/l	98
56) Ethyl methacrylate	10.04	69	419184	47.646	ug/l	99
57) 1,3-Dichloropropane	10.39	76	708839	47.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1183201	228.245	ug/l	97
59) 2-Hexanone	10.50	43	1210653	241.947	ug/l	100
60) Dibromochloromethane	10.65	129	591378	49.016	ug/l	97
61) 1,2-Dibromoethane	10.76	107	464345	47.263	ug/l	94
64) Tetrachloroethene	10.26	164	714736	44.988	ug/l	98
65) Chlorobenzene	11.32	112	1735684	44.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	589360	47.332	ug/l	98
67) Ethyl Benzene	11.43	91	2969850	44.778	ug/l	99
68) m/p-Xylenes	11.57	106	2202195	90.857	ug/l	100
69) o-Xylene	11.94	106	1040355	45.242	ug/l	89
70) Styrene	11.97	104	1713221	46.259	ug/l	100
71) Bromoform	12.12	173	392144	47.710	ug/l	95
73) Isopropylbenzene	12.28	105	2878328	44.235	ug/l	100
74) N-amyl acetate	12.14	43	704554	45.878	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	490916	46.546	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	477377	45.881	ug/l	100
77) Bromobenzene	12.55	156	804219	46.814	ug/l	96
78) n-propylbenzene	12.64	91	3690133	44.360	ug/l	100
79) 2-Chlorotoluene	12.71	91	2038325	45.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2272701	45.232	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	134488	46.777	ug/l	92
82) 4-Chlorotoluene	12.81	91	2259279	44.737	ug/l	96
83) tert-Butylbenzene	13.05	119	2606519	45.582	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	2340564	45.229	ug/l	100
85) sec-Butylbenzene	13.22	105	3141620	45.050	ug/l	98
86) p-Isopropyltoluene	13.34	119	2453568	43.586	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1431844	45.403	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1370340	44.097	ug/l	96
89) n-Butylbenzene	13.65	91	2600500	45.207	ug/l	97
90) Hexachloroethane	13.86	117	660135	47.736	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	1176180	46.494	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	58395	47.128	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	961188	47.750	ug/l	97
94) Hexachlorobutadiene	14.89	225	674654	45.343	ug/l	100
95) Naphthalene	14.97	128	1081504	45.205	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	726892	46.194	ug/l	96

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

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