

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060012.D
 Acq On : 17 Sep 2018 10:31
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/18/2018 1:13:31 PM

Quant Time: Sep 18 12:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1698488	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2347663	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1932963	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	988682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	693503	52.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	6.32	113	962807	52.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	9.46	98	2728428	53.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.43	95	1045742	53.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	901117	50.26	ug/l	100
3) Chloromethane	1.75	50	799441	50.48	ug/l	98
4) Vinyl Chloride	1.85	62	646038	50.74	ug/l	98
5) Bromomethane	2.14	94	97069	64.41	ug/l	88
6) Chloroethane	2.25	64	184944	64.98	ug/l	98
7) Trichlorofluoromethane	2.50	101	784354	55.96	ug/l	96
8) Diethyl Ether	2.82	74	159545	53.55	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.08	101	481791	54.51	ug/l	99
10) Methyl Iodide	3.24	142	519840	55.53	ug/l	96
11) Tert butyl alcohol	3.96	59	241736	226.18	ug/l	100
12) 1,1-Dichloroethene	3.06	96	383252	54.84	ug/l	99
13) Acrolein	2.97	56	199948	302.10	ug/l	95
14) Allyl chloride	3.53	41	790066	53.61	ug/l	99
15) Acrylonitrile	4.08	53	994811	246.59	ug/l	99
16) Acetone	3.15	43	701110	274.16	ug/l	96
17) Carbon Disulfide	3.31	76	1323003	54.94	ug/l	100
18) Methyl Acetate	3.54	43	256458	49.31	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	1647822	51.03	ug/l	100
20) Methylene Chloride	3.71	84	963725	53.46	ug/l	100
21) trans-1,2-Dichloroethene	4.09	96	946116	51.59	ug/l	96
22) Diisopropyl ether	4.84	45	3461471	51.49	ug/l	93
23) Vinyl Acetate	4.79	43	9556924	250.93	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1586776	52.60	ug/l	100
25) 2-Butanone	5.62	43	1603178	232.32	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1268356	54.08	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	997464	52.00	ug/l	99
28) Bromochloromethane	5.92	49	770220	53.11	ug/l	95
29) Tetrahydrofuran	5.95	42	870994	235.35	ug/l	98
30) Chloroform	6.09	83	1596240	52.17	ug/l	99
31) Cyclohexane	6.36	56	1434049	48.75	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1337724	52.72	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1205195	51.68	ug/l	97
37) Ethyl Acetate	5.69	43	783407	48.85	ug/l	99
38) Carbon Tetrachloride	6.50	117	1112322	51.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1379177	52.28	ug/l	97
40) Benzene	6.79	78	3130028	52.66	ug/l	100
41) Methacrylonitrile	5.92	41	403406m	48.03	ug/l	
42) 1,2-Dichloroethane	6.89	62	894784	50.14	ug/l	99
43) Isopropyl Acetate	8.35	43	1028755	47.91	ug/l #	99
44) Trichloroethene	7.74	130	949078	51.68	ug/l	97
45) 1,2-Dichloropropane	8.10	63	826459	52.00	ug/l	100
46) Dibromomethane	8.21	93	523535	50.48	ug/l	97
47) Bromodichloromethane	8.48	83	1156828	51.74	ug/l	99
48) Methyl methacrylate	8.25	41	590937	49.42	ug/l	96
49) 1,4-Dioxane	8.23	88	110772	932.61	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	3207543	223.56	ug/l	99
52) Toluene	9.55	92	1995902	52.39	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1070779	51.35	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1279511	51.36	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	636774	48.14	ug/l	97
56) Ethyl methacrylate	10.03	69	746923	50.91	ug/l	99
57) 1,3-Dichloropropane	10.38	76	989635	50.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1866870	263.49	ug/l	99
59) 2-Hexanone	10.49	43	2517066	249.17	ug/l	98
60) Dibromochloromethane	10.64	129	832850	51.73	ug/l	98
61) 1,2-Dibromoethane	10.76	107	690274	50.54	ug/l	95
64) Tetrachloroethene	10.26	164	877482	51.45	ug/l	99
65) Chlorobenzene	11.32	112	2149295	51.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	746283	53.24	ug/l	99
67) Ethyl Benzene	11.43	91	3517905	52.60	ug/l	99
68) m/p-Xylenes	11.56	106	2625199	106.29	ug/l	96
69) o-Xylene	11.94	106	1304931	53.32	ug/l	96
70) Styrene	11.96	104	2159616	52.48	ug/l	99
71) Bromoform	12.12	173	625421	51.93	ug/l	98
73) Isopropylbenzene	12.28	105	3452057	53.24	ug/l	99
74) N-amyl acetate	12.14	43	1328647	51.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	747705	50.83	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	768785	50.91	ug/l	99
77) Bromobenzene	12.54	156	1006782	53.90	ug/l	92
78) n-propylbenzene	12.64	91	4200228	51.51	ug/l	96
79) 2-Chlorotoluene	12.71	91	2427775	52.75	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2731307	54.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	233867	51.31	ug/l	97
82) 4-Chlorotoluene	12.81	91	2712527	53.61	ug/l	93
83) tert-Butylbenzene	13.05	119	3146759	54.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2793057	52.66	ug/l	98
85) sec-Butylbenzene	13.23	105	3528404	51.62	ug/l	97
86) p-Isopropyltoluene	13.35	119	2906342	52.58	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1727843	53.20	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	1715264	52.06	ug/l	98
89) n-Butylbenzene	13.65	91	2892045	57.37	ug/l	99
90) Hexachloroethane	13.86	117	765788	55.93	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1432083	55.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	105998	47.27	ug/l	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1250202	54.01	ug/l	98
94) Hexachlorobutadiene	14.88	225	837316	54.69	ug/l	100
95) Naphthalene	14.97	128	1805572	50.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1059681	51.95	ug/l	99

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

