

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060167.D
 Acq On : 10 Oct 2018 10:54
 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
 10/11/2018 4:24:22 PM

Quant Time: Oct 11 01:33:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1569844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1809649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	958419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	607053	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	6.30	113	826904	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	9.44	98	2281002	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.42	95	887314	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	728968m	49.364	ug/l	
3) Chloromethane	1.75	50	623091	46.794	ug/l	99
4) Vinyl Chloride	1.84	62	513083	47.084	ug/l	100
5) Bromomethane	2.12	94	82732	60.463	ug/l	97
6) Chloroethane	2.24	64	155931	52.436	ug/l	95
7) Trichlorofluoromethane	2.49	101	644910	49.425	ug/l	97
8) Diethyl Ether	2.81	74	137553	51.267	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	420029	51.672	ug/l	99
10) Methyl Iodide	3.22	142	392268	45.505	ug/l	98
11) Tert butyl alcohol	3.95	59	217522	254.881	ug/l	100
12) 1,1-Dichloroethene	3.05	96	332569	51.933	ug/l	95
13) Acrolein	2.96	56	103163	196.093	ug/l	94
14) Allyl chloride	3.51	41	643066	48.350	ug/l	97
15) Acrylonitrile	4.06	53	907242	256.832	ug/l	99
16) Acetone	3.14	43	606041	280.674	ug/l	98
17) Carbon Disulfide	3.29	76	1003589	46.603	ug/l	99
18) Methyl Acetate	3.53	43	248876	53.626	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1474600	52.373	ug/l	96
20) Methylene Chloride	3.70	84	866617	51.083	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	811355	49.057	ug/l	98
22) Diisopropyl ether	4.84	45	2989485	50.330	ug/l	98
23) Vinyl Acetate	4.78	43	8483750	254.099	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1410539	52.375	ug/l	99
25) 2-Butanone	5.60	43	1469478	272.413	ug/l	97
26) 2,2-Dichloropropane	5.57	77	1090034	53.390	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	872547	49.794	ug/l	94
28) Bromochloromethane	5.90	49	657984	50.277	ug/l	99
29) Tetrahydrofuran	5.93	42	826371	263.740	ug/l	99
30) Chloroform	6.08	83	1426280	52.355	ug/l	99
31) Cyclohexane	6.34	56	1193801	46.307	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	1140428	51.097	ug/l	98
36) 1,1-Dichloropropene	6.50	75	1030046	50.427	ug/l	98
37) Ethyl Acetate	5.68	43	707827	52.206	ug/l	97
38) Carbon Tetrachloride	6.48	117	944204	50.929	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1129994	48.688	ug/l	100
40) Benzene	6.78	78	2750214	51.464	ug/l	100
41) Methacrylonitrile	5.90	41	354004m	46.193	ug/l	
42) 1,2-Dichloroethane	6.88	62	800793	52.268	ug/l	99
43) Isopropyl Acetate	8.33	43	893648	50.099	ug/l #	100
44) Trichloroethene	7.72	130	823032	49.753	ug/l	99
45) 1,2-Dichloropropane	8.09	63	715128	51.107	ug/l	100
46) Dibromomethane	8.20	93	470718	51.960	ug/l	96
47) Bromodichloromethane	8.48	83	1038116	53.782	ug/l	99
48) Methyl methacrylate	8.23	41	547243	53.860	ug/l	99
49) 1,4-Dioxane	8.21	88	106208	1062.381	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2943583	261.636	ug/l	98
52) Toluene	9.53	92	1705199	49.546	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	953588	54.598	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1145727	53.123	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	565363	50.248	ug/l	98
56) Ethyl methacrylate	10.02	69	658913	53.053	ug/l	99
57) 1,3-Dichloropropane	10.37	76	907607	52.892	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1711453	248.150	ug/l	100
59) 2-Hexanone	10.48	43	2208326	272.965	ug/l	100
60) Dibromochloromethane	10.63	129	738879	53.524	ug/l	96
61) 1,2-Dibromoethane	10.75	107	609157	50.955	ug/l	99
64) Tetrachloroethene	10.24	164	760743	47.997	ug/l	98
65) Chlorobenzene	11.30	112	1906100	48.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	661716	50.666	ug/l	97
67) Ethyl Benzene	11.42	91	3171353	49.998	ug/l	100
68) m/p-Xylenes	11.56	106	2289022	96.586	ug/l	100
69) o-Xylene	11.92	106	1126218	48.043	ug/l	93
70) Styrene	11.95	104	1938413	49.447	ug/l	99
71) Bromoform	12.11	173	561036	53.050	ug/l	98
73) Isopropylbenzene	12.27	105	3103028	49.076	ug/l	99
74) N-amyl acetate	12.13	43	1175765	50.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	698238	50.583	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	702414	50.891	ug/l	98
77) Bromobenzene	12.53	156	903082	49.151	ug/l	93
78) n-propylbenzene	12.63	91	3894000	49.598	ug/l	98
79) 2-Chlorotoluene	12.70	91	2187942	50.212	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2332435	47.663	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	210904	54.381	ug/l	97
82) 4-Chlorotoluene	12.80	91	2365101	47.988	ug/l	91
83) tert-Butylbenzene	13.05	119	2776508	49.442	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2483414	48.151	ug/l	96
85) sec-Butylbenzene	13.21	105	3284162	49.462	ug/l	99
86) p-Isopropyltoluene	13.34	119	2625644	48.212	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1591397	49.713	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1537047	47.802	ug/l	97
89) n-Butylbenzene	13.65	91	2619817	49.301	ug/l	98
90) Hexachloroethane	13.85	117	657751	52.186	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	1317909	48.962	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	93379	50.664	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1076673	47.126	ug/l	96
94) Hexachlorobutadiene	14.88	225	751624	49.493	ug/l	100
95) Naphthalene	14.96	128	1716047	50.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	976201	49.119	ug/l	98

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

