

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060227.D
 Acq On : 29 Oct 2018 13:58
 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
 10/30/2018 12:37:54 PM

Quant Time: Oct 29 15:21:44 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	6.43	168	1643682	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	7.46	114	2293381	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.29	117	1842098	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	977192	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	680117	54.59	ug/l	0.05
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	6.34	113	909197	52.21	ug/l	0.05
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	9.47	98	2513765	50.62	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.43	95	934259	50.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	764974	49.476	ug/l	98
3) Chloromethane	1.78	50	731440	52.463	ug/l	98
4) Vinyl Chloride	1.87	62	616945	54.071	ug/l	98
5) Bromomethane	2.16	94	93908	65.548	ug/l	97
6) Chloroethane	2.27	64	172529	55.411	ug/l	95
7) Trichlorofluoromethane	2.52	101	762148	55.787	ug/l	99
8) Diethyl Ether	2.84	74	177158	63.062	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.11	101	527141	61.936	ug/l	99
10) Methyl Iodide	3.26	142	557995	61.822	ug/l	97
11) Tert butyl alcohol	3.99	59	259209	290.084	ug/l	99
12) 1,1-Dichloroethene	3.10	96	415653	61.991	ug/l	92
13) Acrolein	3.00	56	115744	210.124	ug/l	99
14) Allyl chloride	3.56	41	801620	57.564	ug/l	99
15) Acrylonitrile	4.11	53	1035537	279.982	ug/l	99
16) Acetone	3.17	43	729100	322.497	ug/l	100
17) Carbon Disulfide	3.33	76	1207027	53.532	ug/l	98
18) Methyl Acetate	3.58	43	379319	78.062	ug/l	100
19) Methyl tert-butyl Ether	4.15	73	1637118	55.533	ug/l	98
20) Methylene Chloride	3.75	84	941060	53.153	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	874057	50.474	ug/l	99
22) Diisopropyl ether	4.88	45	3327264	53.500	ug/l	94
23) Vinyl Acetate	4.83	43	9193296	262.982	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1545080	54.794	ug/l	99
25) 2-Butanone	5.64	43	1576163	279.064	ug/l	98
26) 2,2-Dichloropropane	5.61	77	1208375	56.528	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	978170	53.314	ug/l	92
28) Bromochloromethane	5.95	49	749023	54.662	ug/l	93
29) Tetrahydrofuran	5.98	42	893071	272.223	ug/l	99
30) Chloroform	6.13	83	1621497	56.847	ug/l	100
31) Cyclohexane	6.39	56	1301035	48.199	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	1299978	55.629	ug/l	99
36) 1,1-Dichloropropene	6.55	75	1156391	52.767	ug/l	98
37) Ethyl Acetate	5.72	43	808773	55.599	ug/l	98
38) Carbon Tetrachloride	6.52	117	1061243	53.354	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1298916	52.165	ug/l	99
40) Benzene	6.82	78	3030351	52.855	ug/l	99
41) Methacrylonitrile	5.96	41	495215m	60.230	ug/l	
42) 1,2-Dichloroethane	6.91	62	902021	54.876	ug/l	97
43) Isopropyl Acetate	8.37	43	1038634	54.272	ug/l	99
44) Trichloroethene	7.76	130	916810	51.657	ug/l	98
45) 1,2-Dichloropropane	8.12	63	826294	55.041	ug/l	97
46) Dibromomethane	8.23	93	521453	53.651	ug/l	93
47) Bromodichloromethane	8.51	83	1168427	56.421	ug/l	99
48) Methyl methacrylate	8.26	41	601997	55.224	ug/l	99
49) 1,4-Dioxane	8.25	88	110543	1030.633	ug/l	96
51) 4-Methyl-2-Pentanone	9.36	43	3361946	278.523	ug/l	99
52) Toluene	9.57	92	1944966	52.673	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1075468	57.394	ug/l	98
54) cis-1,3-Dichloropropene	9.12	75	1280142	55.323	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	643283	53.290	ug/l	97
56) Ethyl methacrylate	10.05	69	762283	57.207	ug/l	98
57) 1,3-Dichloropropane	10.40	76	1034137	56.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	1971255	266.405	ug/l	98
59) 2-Hexanone	10.51	43	2426070	279.509	ug/l	99
60) Dibromochloromethane	10.65	129	843976	56.984	ug/l	98
61) 1,2-Dibromoethane	10.77	107	702380	54.762	ug/l	96
64) Tetrachloroethene	10.27	164	820526	50.857	ug/l	99
65) Chlorobenzene	11.33	112	2087518	52.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	745029	56.041	ug/l	98
67) Ethyl Benzene	11.44	91	3465985	53.681	ug/l	100
68) m/p-Xylenes	11.58	106	2600368	107.790	ug/l	100
69) o-Xylene	11.95	106	1261797	52.879	ug/l	99
70) Styrene	11.97	104	2105463	52.762	ug/l	99
71) Bromoform	12.13	173	621547	57.737	ug/l	100
73) Isopropylbenzene	12.29	105	3468427	53.801	ug/l	99
74) N-amyl acetate	12.15	43	1299634	55.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	778138	55.288	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	781969	55.566	ug/l	97
77) Bromobenzene	12.55	156	993450	53.030	ug/l	93
78) n-propylbenzene	12.65	91	4176150	52.170	ug/l	96
79) 2-Chlorotoluene	12.72	91	2374931	53.456	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	2602212	52.154	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.36	75	223146	56.432	ug/l	92
82) 4-Chlorotoluene	12.82	91	2646045	52.657	ug/l	94
83) tert-Butylbenzene	13.05	119	3076932	53.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2703763	51.416	ug/l	98
85) sec-Butylbenzene	13.23	105	3564163	52.648	ug/l	99
86) p-Isopropyltoluene	13.35	119	2954139	53.202	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	1716173	52.580	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	1671463	50.984	ug/l	98
89) n-Butylbenzene	13.65	91	2912669	53.759	ug/l	99
90) Hexachloroethane	13.87	117	742540	57.782	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	1476120	53.787	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.24	75	110358	58.726	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1214913	52.155	ug/l	97
94) Hexachlorobutadiene	14.88	225	812250	52.458	ug/l	99
95) Naphthalene	14.97	128	1833570	53.103	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1021741	50.422	ug/l	99

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

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