

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060086.D
 Acq On : 25 Sep 2018 11:32
 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
 9/26/2018 12:22:04 PM

Quant Time: Sep 25 14:49:00 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	6.39	168	1714861	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.42	114	2355472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1909887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	995902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	666702	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	6.30	113	932822	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	9.44	98	2624644	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.42	95	1002938	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	829481	45.823	ug/l	98
3) Chloromethane	1.75	50	793389	49.618	ug/l	98
4) Vinyl Chloride	1.84	62	665455	51.770	ug/l	99
5) Bromomethane	2.14	94	110183	72.417	ug/l	94
6) Chloroethane	2.25	64	191191	66.531	ug/l	97
7) Trichlorofluoromethane	2.49	101	795842	56.236	ug/l	100
8) Diethyl Ether	2.82	74	166519	55.353	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.07	101	509444	57.088	ug/l	99
10) Methyl Iodide	3.23	142	577403	61.092	ug/l	92
11) Tert butyl alcohol	3.95	59	225930	209.374	ug/l	98
12) 1,1-Dichloroethene	3.06	96	405809	57.513	ug/l	91
13) Acrolein	2.98	56	133981	200.500	ug/l	97
14) Allyl chloride	3.52	41	830080	55.783	ug/l	98
15) Acrylonitrile	4.07	53	995222	244.334	ug/l	99
16) Acetone	3.14	43	676213	261.902	ug/l	99
17) Carbon Disulfide	3.30	76	1312066	53.970	ug/l	100
18) Methyl Acetate	3.54	43	287450	54.743	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	1594252	48.900	ug/l	99
20) Methylene Chloride	3.70	84	965183	52.965	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	938604	50.691	ug/l	96
22) Diisopropyl ether	4.84	45	3436190	50.624	ug/l	97
23) Vinyl Acetate	4.79	43	9432312	245.289	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1580969	51.903	ug/l	100
25) 2-Butanone	5.60	43	1539174	220.914	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1225460	51.748	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	983664	50.787	ug/l	99
28) Bromochloromethane	5.91	49	755186	51.577	ug/l	99
29) Tetrahydrofuran	5.94	42	857091	229.384	ug/l	100
30) Chloroform	6.08	83	1594183	51.608	ug/l	99
31) Cyclohexane	6.35	56	1374121	46.267	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1305489	50.956	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1160250	49.588	ug/l	99
37) Ethyl Acetate	5.68	43	726524	45.153	ug/l	97
38) Carbon Tetrachloride	6.48	117	1070427	49.008	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1352488	51.098	ug/l	98
40) Benzene	6.77	78	3058177	51.281	ug/l	100
41) Methacrylonitrile	5.92	41	433890m	51.486	ug/l	
42) 1,2-Dichloroethane	6.88	62	877938	49.029	ug/l	99
43) Isopropyl Acetate	8.33	43	1040045	48.277	ug/l	98
44) Trichloroethene	7.73	130	941164	51.080	ug/l	98
45) 1,2-Dichloropropane	8.08	63	820235	51.437	ug/l	98
46) Dibromomethane	8.20	93	517331	49.721	ug/l	94
47) Bromodichloromethane	8.48	83	1159464	51.687	ug/l	100
48) Methyl methacrylate	8.23	41	577192	48.106	ug/l	98
49) 1,4-Dioxane	8.22	88	111030	931.681	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	3159121	218.805	ug/l	97
52) Toluene	9.54	92	1931862	50.539	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	1043714	49.886	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1292323	51.698	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	636211	47.936	ug/l	98
56) Ethyl methacrylate	10.02	69	726502	49.351	ug/l	97
57) 1,3-Dichloropropane	10.37	76	980107	50.029	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	1817943	255.737	ug/l	99
59) 2-Hexanone	10.47	43	2344508	228.446	ug/l	99
60) Dibromochloromethane	10.63	129	830539	51.414	ug/l	98
61) 1,2-Dibromoethane	10.75	107	677092	49.412	ug/l	98
64) Tetrachloroethene	10.24	164	827010	49.078	ug/l	98
65) Chlorobenzene	11.30	112	2104102	51.242	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	732281	52.874	ug/l	98
67) Ethyl Benzene	11.42	91	3470191	52.515	ug/l	100
68) m/p-Xylenes	11.56	106	2578275	105.647	ug/l	99
69) o-Xylene	11.93	106	1279911	52.929	ug/l	93
70) Styrene	11.95	104	2135420	52.520	ug/l	99
71) Bromoform	12.11	173	605644	50.899	ug/l	99
73) Isopropylbenzene	12.26	105	3469456	53.118	ug/l	99
74) N-amyl acetate	12.13	43	1266422	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	737148	49.749	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	751915	49.435	ug/l	99
77) Bromobenzene	12.53	156	990914	52.667	ug/l	96
78) n-propylbenzene	12.63	91	4344261	52.891	ug/l	100
79) 2-Chlorotoluene	12.70	91	2408332	51.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2697613	53.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	229872	50.066	ug/l	97
82) 4-Chlorotoluene	12.81	91	2683450	52.649	ug/l	91
83) tert-Butylbenzene	13.04	119	3080133	53.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2786589	52.160	ug/l	99
85) sec-Butylbenzene	13.22	105	3571166	51.872	ug/l	96
86) p-Isopropyltoluene	13.34	119	3011092	54.076	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1724303	52.702	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1710887	51.555	ug/l	99
89) n-Butylbenzene	13.64	91	2876132	56.449	ug/l	99
90) Hexachloroethane	13.85	117	746327	54.115	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1406621	53.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102544	45.396	ug/l #	55

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1191869	51.119	ug/l	99
94) Hexachlorobutadiene	14.87	225	815039	52.845	ug/l	99
95) Naphthalene	14.96	128	1782471	49.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	1031408	50.198	ug/l	99

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

