

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060088.D
 Acq On : 25 Sep 2018 12:49
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
 APPROVED

apatel
 9/26/2018 12:22:13 PM

Quant Time: Sep 25 14:53:41 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	1521780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2110254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1727023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	924725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	624862	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	6.30	113	841054	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	9.44	98	2343630	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.42	95	905108	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	310146m	19.307	ug/l	
3) Chloromethane	1.74	50	328669	23.163	ug/l	98
4) Vinyl Chloride	1.84	62	261682	22.941	ug/l	99
5) Bromomethane	2.13	94	21209	15.708	ug/l	96
6) Chloroethane	2.23	64	58703	23.019	ug/l	97
7) Trichlorofluoromethane	2.48	101	289455	23.049	ug/l	98
8) Diethyl Ether	2.81	74	62796	23.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	191673	24.204	ug/l	93
10) Methyl Iodide	3.22	142	178785	21.316	ug/l	93
11) Tert butyl alcohol	3.95	59	86100	89.914	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	153337	24.489	ug/l	96
13) Acrolein	2.96	56	49323	83.176	ug/l	100
14) Allyl chloride	3.52	41	315348	23.881	ug/l	95
15) Acrylonitrile	4.06	53	396989	109.830	ug/l	98
16) Acetone	3.14	43	320025	139.674	ug/l	98
17) Carbon Disulfide	3.29	76	476185	22.072	ug/l	99
18) Methyl Acetate	3.53	43	107474	23.065	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	633448	21.895	ug/l	100
20) Methylene Chloride	3.69	84	427132	22.191	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	354424	21.570	ug/l	97
22) Diisopropyl ether	4.83	45	1355418	22.502	ug/l	99
23) Vinyl Acetate	4.78	43	3846771	112.728	ug/l	100
24) 1,1-Dichloroethane	4.74	63	588477	21.771	ug/l	99
25) 2-Butanone	5.60	43	760884	123.064	ug/l	100
26) 2,2-Dichloropropane	5.56	77	468941	22.315	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	378263	22.008	ug/l	96
28) Bromochloromethane	5.91	49	281189	21.641	ug/l	99
29) Tetrahydrofuran	5.94	42	352789	106.397	ug/l	99
30) Chloroform	6.08	83	608618	22.203	ug/l	97
31) Cyclohexane	6.35	56	534525	20.281	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	496989	21.860	ug/l	100
36) 1,1-Dichloropropene	6.51	75	458951	21.894	ug/l	96
37) Ethyl Acetate	5.68	43	327697	22.733	ug/l	99
38) Carbon Tetrachloride	6.48	117	417707	21.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	528182	22.274	ug/l	94
40) Benzene	6.77	78	1185289	22.185	ug/l	100
41) Methacrylonitrile	5.91	41	140039m	18.548	ug/l	
42) 1,2-Dichloroethane	6.87	62	338003	21.070	ug/l	99
43) Isopropyl Acetate	8.34	43	403234	20.892	ug/l	99
44) Trichloroethene	7.72	130	365668	22.152	ug/l	99
45) 1,2-Dichloropropane	8.08	63	315801	22.105	ug/l	98
46) Dibromomethane	8.20	93	204498	21.938	ug/l	97
47) Bromodichloromethane	8.47	83	435923	21.691	ug/l	99
48) Methyl methacrylate	8.23	41	231628	21.548	ug/l	100
49) 1,4-Dioxane	8.22	88	43730	409.590	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	1630722	116.645	ug/l	99
52) Toluene	9.54	92	772853	22.568	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	398448	21.258	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	489426	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	256167	21.544	ug/l	99
56) Ethyl methacrylate	10.02	69	286860	21.751	ug/l	99
57) 1,3-Dichloropropane	10.36	76	389143	22.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	714471	112.187	ug/l	98
59) 2-Hexanone	10.47	43	1217566	121.759	ug/l	98
60) Dibromochloromethane	10.63	129	316788	21.889	ug/l	99
61) 1,2-Dibromoethane	10.75	107	264767	21.567	ug/l	98
64) Tetrachloroethene	10.24	164	331107	21.730	ug/l	98
65) Chlorobenzene	11.30	112	844499	22.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	295548	23.600	ug/l	99
67) Ethyl Benzene	11.42	91	1466135	24.537	ug/l	98
68) m/p-Xylenes	11.56	106	1062567	48.150	ug/l	96
69) o-Xylene	11.93	106	501280	22.925	ug/l	95
70) Styrene	11.95	104	862819	23.468	ug/l	98
71) Bromoform	12.11	173	222631	20.691	ug/l	97
73) Isopropylbenzene	12.26	105	1419309	23.403	ug/l	98
74) N-amyl acetate	12.13	43	518445	21.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	296117	21.523	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	301680	21.361	ug/l	97
77) Bromobenzene	12.53	156	402625	23.047	ug/l	93
78) n-propylbenzene	12.63	91	1771099	23.223	ug/l	97
79) 2-Chlorotoluene	12.70	91	955405	22.195	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1124037	24.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	85577	20.073	ug/l	94
82) 4-Chlorotoluene	12.80	91	1120609	23.679	ug/l	92
83) tert-Butylbenzene	13.04	119	1239213	23.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1121678	22.612	ug/l	97
85) sec-Butylbenzene	13.22	105	1472118	23.029	ug/l	96
86) p-Isopropyltoluene	13.34	119	1232763	23.843	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	710198	23.377	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	707366	22.956	ug/l	98
89) n-Butylbenzene	13.64	91	1223556	22.145	ug/l	98
90) Hexachloroethane	13.85	117	272807	21.303	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	623632	22.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	39384	18.777	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	492546	22.751	ug/l	99
94) Hexachlorobutadiene	14.87	225	333897	23.315	ug/l	97
95) Naphthalene	14.96	128	721519	21.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	421275	22.081	ug/l	99

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

