

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060089.D
 Acq On : 25 Sep 2018 13:17
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
 APPROVED

apatel
 9/26/2018 12:22:18 PM

Quant Time: Sep 25 14:55:48 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	6.38	168	1558954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2119217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	922140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	620539	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	6.30	113	863642	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	9.44	98	2326212	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.42	95	914255	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	279218	16.968	ug/l	100
3) Chloromethane	1.75	50	302886	20.837	ug/l	99
4) Vinyl Chloride	1.84	62	246674	21.110	ug/l	99
5) Bromomethane	2.12	94	20675	14.947	ug/l	88
6) Chloroethane	2.23	64	55728	21.332	ug/l	93
7) Trichlorofluoromethane	2.49	101	268745	20.889	ug/l	99
8) Diethyl Ether	2.81	74	59568	21.781	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	183220	22.585	ug/l	98
10) Methyl Iodide	3.22	142	171515	19.962	ug/l	99
11) Tert butyl alcohol	3.95	59	78288	79.807	ug/l	98
12) 1,1-Dichloroethene	3.06	96	143423	22.359	ug/l	88
13) Acrolein	2.97	56	49569	81.598	ug/l	89
14) Allyl chloride	3.51	41	297588	21.999	ug/l	96
15) Acrylonitrile	4.06	53	369430	99.768	ug/l	99
16) Acetone	3.15	43	289164	123.195	ug/l	100
17) Carbon Disulfide	3.29	76	451008	20.407	ug/l	98
18) Methyl Acetate	3.53	43	108822	22.797	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	592424	19.989	ug/l	97
20) Methylene Chloride	3.70	84	421214	21.047	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	334329	19.862	ug/l	94
22) Diisopropyl ether	4.83	45	1238664	20.074	ug/l	94
23) Vinyl Acetate	4.78	43	3583473	102.508	ug/l	99
24) 1,1-Dichloroethane	4.73	63	565442	20.420	ug/l	99
25) 2-Butanone	5.60	43	706613	111.561	ug/l	99
26) 2,2-Dichloropropane	5.57	77	443432	20.598	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	363881	20.666	ug/l	97
28) Bromochloromethane	5.90	49	271853	20.424	ug/l	97
29) Tetrahydrofuran	5.93	42	326083	95.998	ug/l	100
30) Chloroform	6.08	83	585909	20.864	ug/l	99
31) Cyclohexane	6.34	56	523858	19.403	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	462676	19.865	ug/l	96
36) 1,1-Dichloropropene	6.50	75	432947	20.566	ug/l	98
37) Ethyl Acetate	5.67	43	287093	19.832	ug/l	97
38) Carbon Tetrachloride	6.48	117	393081	20.003	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	491826	20.653	ug/l	99
40) Benzene	6.78	78	1119809	20.871	ug/l	99
41) Methacrylonitrile	5.91	41	146845m	19.367	ug/l	
42) 1,2-Dichloroethane	6.88	62	319271	19.818	ug/l	100
43) Isopropyl Acetate	8.33	43	378264	19.516	ug/l #	98
44) Trichloroethene	7.72	130	336632	20.307	ug/l	98
45) 1,2-Dichloropropane	8.09	63	300215	20.925	ug/l	98
46) Dibromomethane	8.19	93	192489	20.563	ug/l	96
47) Bromodichloromethane	8.47	83	409617	20.296	ug/l	99
48) Methyl methacrylate	8.23	41	214716	19.890	ug/l	97
49) 1,4-Dioxane	8.21	88	39291	366.457	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1540704	108.833	ug/l	99
52) Toluene	9.53	92	732922	21.311	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	365458	19.415	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	462421	20.561	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	239407	20.050	ug/l	98
56) Ethyl methacrylate	10.01	69	271290	20.483	ug/l	97
57) 1,3-Dichloropropane	10.37	76	371330	21.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	711342	111.223	ug/l	95
59) 2-Hexanone	10.48	43	1119109	109.893	ug/l	100
60) Dibromochloromethane	10.62	129	295599	20.339	ug/l	96
61) 1,2-Dibromoethane	10.74	107	254677	20.657	ug/l	95
64) Tetrachloroethene	10.24	164	321048	21.168	ug/l	98
65) Chlorobenzene	11.30	112	812449	21.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281827	22.609	ug/l	99
67) Ethyl Benzene	11.42	91	1387164	23.323	ug/l	100
68) m/p-Xylenes	11.56	106	1011389	46.045	ug/l	95
69) o-Xylene	11.92	106	460268	21.148	ug/l	96
70) Styrene	11.94	104	792478	21.655	ug/l	95
71) Bromoform	12.11	173	207967	19.419	ug/l	98
73) Isopropylbenzene	12.27	105	1312828	21.707	ug/l	99
74) N-amyl acetate	12.13	43	488024	20.372	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	280161	20.420	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	286760	20.361	ug/l	100
77) Bromobenzene	12.53	156	369454	21.207	ug/l	96
78) n-propylbenzene	12.63	91	1580741	20.785	ug/l	99
79) 2-Chlorotoluene	12.70	91	904573	21.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1065347	22.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	77993	18.346	ug/l	99
82) 4-Chlorotoluene	12.80	91	1076044	22.801	ug/l	100
83) tert-Butylbenzene	13.04	119	1177772	21.932	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1097715	22.191	ug/l	100
85) sec-Butylbenzene	13.21	105	1385655	21.737	ug/l	100
86) p-Isopropyltoluene	13.33	119	1156838	22.437	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	657772	21.712	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	666901	21.703	ug/l	96
89) n-Butylbenzene	13.64	91	1198428	21.683	ug/l	96
90) Hexachloroethane	13.85	117	257202	20.141	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	589525	21.127	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37436	17.899	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	472473	21.885	ug/l	97
94) Hexachlorobutadiene	14.88	225	316616	22.171	ug/l	99
95) Naphthalene	14.96	128	671394	20.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	388718	20.432	ug/l	98

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

