

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066556.D
 Acq On : 04 Sep 2020 12:05
 Operator : VA/SY
 Sample : VD0904SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:43 PM

Quant Time: Sep 05 03:57:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	364665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	552793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233007	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.91	113	216149	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.34	98	800734	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
62) 4-Bromofluorobenzene	12.63	95	259599	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75136	22.807	ug/l	91
3) Chloromethane	2.20	50	99163	21.502	ug/l	98
4) Vinyl Chloride	2.35	62	111661	21.830	ug/l	97
5) Bromomethane	2.76	94	73871	20.126	ug/l	85
6) Chloroethane	2.92	64	69796	21.484	ug/l	99
7) Trichlorofluoromethane	3.27	101	161918	21.429	ug/l	100
8) Diethyl Ether	3.71	74	36324	19.090	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87106	21.300	ug/l	98
10) Methyl Iodide	4.30	142	71361	21.615	ug/l	98
11) Tert butyl alcohol	5.21	59	35410	101.297	ug/l	97
12) 1,1-Dichloroethene	4.06	96	79991	21.772	ug/l	98
13) Acrolein	3.92	56	17639	97.775	ug/l	92
14) Allyl chloride	4.71	41	120707	20.047	ug/l	97
15) Acrylonitrile	5.42	53	83298	101.910	ug/l	99
16) Acetone	4.16	43	87263	107.491	ug/l	91
17) Carbon Disulfide	4.40	76	256869	21.267	ug/l	100
18) Methyl Acetate	4.71	43	38286	19.784	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	168302	19.534	ug/l	95
20) Methylene Chloride	4.97	84	103974	19.458	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	90081	20.647	ug/l	96
22) Diisopropyl ether	6.36	45	260160	21.011	ug/l #	96
23) Vinyl Acetate	6.30	43	727838	103.293	ug/l	100
24) 1,1-Dichloroethane	6.26	63	161576	20.750	ug/l	99
25) 2-Butanone	7.21	43	110751	101.628	ug/l	94
26) 2,2-Dichloropropane	7.20	77	149051	20.868	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96548	20.578	ug/l	100
28) Bromochloromethane	7.54	49	55134	18.391	ug/l	99
29) Tetrahydrofuran	7.56	42	69782	102.817	ug/l	96
30) Chloroform	7.71	83	169699	20.600	ug/l	89
31) Cyclohexane	7.98	56	151162	21.001	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	159392	20.580	ug/l	97
36) 1,1-Dichloropropene	8.11	75	132911	20.983	ug/l	100
37) Ethyl Acetate	7.29	43	52934	20.986	ug/l	100
38) Carbon Tetrachloride	8.09	117	141510	21.136	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	148156	20.946	ug/l	98
40) Benzene	8.35	78	360950	20.806	ug/l	93
41) Methacrylonitrile	7.52	41	24713	20.241	ug/l #	63
42) 1,2-Dichloroethane	8.42	62	112479	20.011	ug/l	100
43) Isopropyl Acetate	8.45	43	93530	19.350	ug/l	98
44) Trichloroethene	9.11	130	93092	20.457	ug/l	95
45) 1,2-Dichloropropane	9.38	63	91173	20.898	ug/l	95
46) Dibromomethane	9.47	93	47284	19.644	ug/l	99
47) Bromodichloromethane	9.66	83	131474	20.189	ug/l	95
48) Methyl methacrylate	9.45	41	47229	19.323	ug/l	96
49) 1,4-Dioxane	9.46	88	11195	423.947	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	244743	100.396	ug/l	97
52) Toluene	10.40	92	227112	20.681	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	119235	20.741	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	143945	20.851	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	63892	20.645	ug/l	98
56) Ethyl methacrylate	10.66	69	70121	19.460	ug/l	95
57) 1,3-Dichloropropane	10.94	76	108692	20.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	186338	113.057	ug/l	100
59) 2-Hexanone	10.98	43	162394	99.059	ug/l	98
60) Dibromochloromethane	11.14	129	81967	20.029	ug/l	98
61) 1,2-Dibromoethane	11.24	107	60894	20.225	ug/l	99
64) Tetrachloroethene	10.87	164	77790	20.900	ug/l	92
65) Chlorobenzene	11.67	112	235883	20.675	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	87555	20.107	ug/l	98
67) Ethyl Benzene	11.74	91	419999	20.048	ug/l	98
68) m/p-Xylenes	11.85	106	322278	41.431	ug/l	97
69) o-Xylene	12.18	106	135802	19.481	ug/l	95
70) Styrene	12.20	104	248271	20.485	ug/l	99
71) Bromoform	12.36	173	44696	20.368	ug/l #	99
73) Isopropylbenzene	12.48	105	400882	21.299	ug/l	99
74) N-amyl acetate	12.29	43	83032	19.478	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	69228	20.820	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	53283m	21.794	ug/l	
77) Bromobenzene	12.76	156	86027	20.501	ug/l	99
78) n-propylbenzene	12.82	91	490346	21.491	ug/l	100
79) 2-Chlorotoluene	12.91	91	270732	21.151	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	344736	21.761	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20821	19.883	ug/l	99
82) 4-Chlorotoluene	13.01	91	291969	21.330	ug/l	99
83) tert-Butylbenzene	13.23	119	274096	21.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	336634	21.344	ug/l	97
85) sec-Butylbenzene	13.40	105	397106	21.306	ug/l	99
86) p-Isopropyltoluene	13.52	119	359849	21.451	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	175332	21.047	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	173254	20.721	ug/l	99
89) n-Butylbenzene	13.85	91	344027	21.045	ug/l	99
90) Hexachloroethane	14.11	117	72248	19.988	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	147818	20.301	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9159	16.215	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85960	19.671	ug/l	98
94) Hexachlorobutadiene	15.27	225	53993	20.566	ug/l	96
95) Naphthalene	15.41	128	146791	19.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	77770	20.874	ug/l	98

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

