

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066810.D
 Acq On : 22 Sep 2020 14:56
 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:07 PM

Quant Time: Sep 23 02:29:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	432845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	681548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199771	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.91	113	201571	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.33	98	721842	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.63	95	248873	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77087	22.320	ug/l	92
3) Chloromethane	2.21	50	87100	21.901	ug/l	98
4) Vinyl Chloride	2.35	62	85076	21.654	ug/l	95
5) Bromomethane	2.76	94	56052	20.297	ug/l	98
6) Chloroethane	2.92	64	50032	20.506	ug/l	95
7) Trichlorofluoromethane	3.27	101	162035	20.081	ug/l	95
8) Diethyl Ether	3.70	74	38795	18.938	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92412	19.751	ug/l	97
10) Methyl Iodide	4.30	142	74017	17.927	ug/l	96
11) Tert butyl alcohol	5.20	59	32832	99.501	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	84997	20.053	ug/l	96
13) Acrolein	3.92	56	30707	98.254	ug/l	98
14) Allyl chloride	4.71	41	124494	20.003	ug/l	99
15) Acrylonitrile	5.43	53	85194	93.845	ug/l	99
16) Acetone	4.15	43	85211	94.815	ug/l	91
17) Carbon Disulfide	4.41	76	260026	20.066	ug/l	100
18) Methyl Acetate	4.72	43	40355	17.787	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	178321	19.373	ug/l	97
20) Methylene Chloride	4.96	84	136309	25.218	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	99704	20.316	ug/l	95
22) Diisopropyl ether	6.36	45	258427	20.194	ug/l	98
23) Vinyl Acetate	6.30	43	653235	95.687	ug/l	97
24) 1,1-Dichloroethane	6.26	63	167589	19.576	ug/l	97
25) 2-Butanone	7.21	43	105837	97.997	ug/l	92
26) 2,2-Dichloropropane	7.20	77	152481	19.433	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105467	19.779	ug/l	99
28) Bromochloromethane	7.54	49	68090	19.252	ug/l #	100
29) Tetrahydrofuran	7.57	42	68953	99.641	ug/l	99
30) Chloroform	7.71	83	177252	19.208	ug/l	98
31) Cyclohexane	7.98	56	152198	19.758	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	167045	20.010	ug/l	100
36) 1,1-Dichloropropene	8.11	75	138456	20.477	ug/l	99
37) Ethyl Acetate	7.28	43	46222	18.910	ug/l #	91
38) Carbon Tetrachloride	8.10	117	146142	19.770	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	154712	19.929	ug/l	93
40) Benzene	8.34	78	380715	20.203	ug/l	97
41) Methacrylonitrile	7.52	41	27282	18.149	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	111095	19.942	ug/l	99
43) Isopropyl Acetate	8.44	43	91755	19.470	ug/l	99
44) Trichloroethene	9.11	130	104860	19.523	ug/l	93
45) 1,2-Dichloropropane	9.38	63	93390	19.697	ug/l	95
46) Dibromomethane	9.47	93	49972	19.399	ug/l	98
47) Bromodichloromethane	9.66	83	135600	19.595	ug/l	98
48) Methyl methacrylate	9.46	41	41452	17.840	ug/l	95
49) 1,4-Dioxane	9.46	88	12053	344.574	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	239122	100.140	ug/l	97
52) Toluene	10.40	92	247070	20.355	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	117838	20.007	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	142964	19.907	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	68677	19.393	ug/l	97
56) Ethyl methacrylate	10.66	69	75369	19.867	ug/l	98
57) 1,3-Dichloropropane	10.94	76	114792	19.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	214971	119.674	ug/l	99
59) 2-Hexanone	10.98	43	160602	99.733	ug/l	99
60) Dibromochloromethane	11.14	129	87146	18.855	ug/l	96
61) 1,2-Dibromoethane	11.24	107	66532	20.199	ug/l	97
64) Tetrachloroethene	10.87	164	87885	19.880	ug/l	95
65) Chlorobenzene	11.67	112	252191	19.714	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	94968	19.614	ug/l	98
67) Ethyl Benzene	11.74	91	442595	19.699	ug/l	100
68) m/p-Xylenes	11.85	106	355353	41.774	ug/l	99
69) o-Xylene	12.18	106	151263	19.665	ug/l	99
70) Styrene	12.20	104	268654	20.112	ug/l	99
71) Bromoform	12.36	173	47311	19.299	ug/l #	99
73) Isopropylbenzene	12.48	105	426844	20.242	ug/l	99
74) N-amyl acetate	12.29	43	82719	20.087	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	72337	19.880	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54198m	22.405	ug/l	
77) Bromobenzene	12.76	156	96518	19.571	ug/l	98
78) n-propylbenzene	12.82	91	524903	20.691	ug/l	100
79) 2-Chlorotoluene	12.91	91	293171	20.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	368031	20.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20529	21.232	ug/l	97
82) 4-Chlorotoluene	13.01	91	317222	20.817	ug/l	98
83) tert-Butylbenzene	13.23	119	296268	20.151	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	365388	20.594	ug/l	98
85) sec-Butylbenzene	13.40	105	429871	20.332	ug/l	99
86) p-Isopropyltoluene	13.52	119	399877	20.982	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	195450	20.060	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190537	19.689	ug/l	98
89) n-Butylbenzene	13.84	91	360535	19.904	ug/l	99
90) Hexachloroethane	14.11	117	75111	19.413	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	165775	19.887	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12194	20.833	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	99592	18.979	ug/l	99
94) Hexachlorobutadiene	15.27	225	60817	19.340	ug/l	98
95) Naphthalene	15.41	128	167296	18.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89882	19.845	ug/l	99

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

