

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066866.D
 Acq On : 25 Sep 2020 11:37
 Operator : VA/SY
 Sample : VD0925SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:15 AM

Quant Time: Sep 25 14:30:39 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	406053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	637752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	594207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188157	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	7.91	113	194810	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.34	98	708657	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.63	95	240933	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76663	24.058	ug/l	91
3) Chloromethane	2.21	50	77512	20.776	ug/l	96
4) Vinyl Chloride	2.35	62	74919	20.327	ug/l	94
5) Bromomethane	2.76	94	53548	20.670	ug/l	95
6) Chloroethane	2.92	64	45510	19.883	ug/l	92
7) Trichlorofluoromethane	3.27	101	154925	20.467	ug/l	97
8) Diethyl Ether	3.71	74	36971	19.239	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91519	20.850	ug/l	98
10) Methyl Iodide	4.30	142	65784	16.984	ug/l	96
11) Tert butyl alcohol	5.22	59	25604	72.743	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	78395	19.716	ug/l	97
13) Acrolein	3.92	56	25574	87.229	ug/l	93
14) Allyl chloride	4.72	41	107929	18.485	ug/l	98
15) Acrylonitrile	5.43	53	79480	93.328	ug/l	97
16) Acetone	4.16	43	75211	89.210	ug/l	96
17) Carbon Disulfide	4.41	76	241058	19.830	ug/l	100
18) Methyl Acetate	4.71	43	35863	16.644	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	158878	18.400	ug/l	100
20) Methylene Chloride	4.97	84	107859	20.240	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	92174	20.021	ug/l	97
22) Diisopropyl ether	6.37	45	236030	19.661	ug/l	98
23) Vinyl Acetate	6.31	43	556129	87.085	ug/l	100
24) 1,1-Dichloroethane	6.27	63	157679	19.634	ug/l	96
25) 2-Butanone	7.21	43	88069	86.925	ug/l	95
26) 2,2-Dichloropropane	7.21	77	144952	19.692	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	99187	19.828	ug/l	98
28) Bromochloromethane	7.54	49	65743	19.815	ug/l	95
29) Tetrahydrofuran	7.56	42	57478	88.539	ug/l	99
30) Chloroform	7.71	83	166144	19.192	ug/l	96
31) Cyclohexane	7.98	56	138664	19.189	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	155894	19.907	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125730	19.872	ug/l	97
37) Ethyl Acetate	7.28	43	41410	18.105	ug/l	94
38) Carbon Tetrachloride	8.10	117	142320	20.575	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141475	19.475	ug/l	98
40) Benzene	8.34	78	358177	20.312	ug/l	95
41) Methacrylonitrile	7.53	41	26182m	18.614	ug/l	
42) 1,2-Dichloroethane	8.42	62	102362	19.636	ug/l	98
43) Isopropyl Acetate	8.45	43	79555	18.041	ug/l	99
44) Trichloroethene	9.11	130	101724	20.239	ug/l	99
45) 1,2-Dichloropropane	9.38	63	87781	19.786	ug/l	94
46) Dibromomethane	9.47	93	49534	20.549	ug/l	98
47) Bromodichloromethane	9.66	83	130755	20.193	ug/l	99
48) Methyl methacrylate	9.45	41	41841	19.244	ug/l	93
49) 1,4-Dioxane	9.46	88	12119	378.882	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	206912	92.601	ug/l	100
52) Toluene	10.40	92	235845	20.764	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	106064	19.244	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	134558	20.023	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	65205	19.677	ug/l	95
56) Ethyl methacrylate	10.66	69	67660	19.059	ug/l	98
57) 1,3-Dichloropropane	10.94	76	109458	20.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	186550	110.984	ug/l	100
59) 2-Hexanone	10.98	43	139503	92.579	ug/l	99
60) Dibromochloromethane	11.14	129	86594	20.022	ug/l	100
61) 1,2-Dibromoethane	11.24	107	61400	19.921	ug/l	100
64) Tetrachloroethene	10.87	164	91071	21.307	ug/l	94
65) Chlorobenzene	11.67	112	245892	19.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94081	20.097	ug/l	98
67) Ethyl Benzene	11.74	91	422244	19.437	ug/l	98
68) m/p-Xylenes	11.85	106	336064	40.860	ug/l	100
69) o-Xylene	12.18	106	149222	20.065	ug/l	100
70) Styrene	12.19	104	257524	19.939	ug/l	100
71) Bromoform	12.36	173	46090	19.446	ug/l #	98
73) Isopropylbenzene	12.48	105	406989	19.874	ug/l	98
74) N-amyl acetate	12.29	43	72156	18.043	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	68082	19.267	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43513m	18.522	ug/l	
77) Bromobenzene	12.76	156	96439	20.136	ug/l	96
78) n-propylbenzene	12.82	91	500307	20.308	ug/l	99
79) 2-Chlorotoluene	12.91	91	282610	20.130	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	353010	20.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18123	19.301	ug/l	94
82) 4-Chlorotoluene	13.00	91	304682	20.588	ug/l	100
83) tert-Butylbenzene	13.23	119	289708	20.290	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	354113	20.552	ug/l	99
85) sec-Butylbenzene	13.40	105	412563	20.093	ug/l	98
86) p-Isopropyltoluene	13.52	119	382993	20.694	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	190445	20.127	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	187112	19.910	ug/l	99
89) n-Butylbenzene	13.84	91	349171	19.849	ug/l	99
90) Hexachloroethane	14.11	117	73073	19.448	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	163411	20.186	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10298	18.116	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	102427	20.099	ug/l	95
94) Hexachlorobutadiene	15.27	225	61691	20.201	ug/l	98
95) Naphthalene	15.40	128	156984	18.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	86054	19.565	ug/l	99

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

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