

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066103.D
 Acq On : 30 Jul 2020 11:18
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:11 AM

Quant Time: Jul 31 02:36:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	227449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	318157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101530	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.91	113	102874	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	389467	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.64	95	138062	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39511	22.890	ug/l	98
3) Chloromethane	2.21	50	29467	20.919	ug/l	96
4) Vinyl Chloride	2.35	62	29222	21.784	ug/l	97
5) Bromomethane	2.76	94	22025	20.374	ug/l	89
6) Chloroethane	2.93	64	18691	23.342	ug/l	94
7) Trichlorofluoromethane	3.27	101	78489	24.056	ug/l	97
8) Diethyl Ether	3.70	74	17892	19.839	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	44077	22.373	ug/l	99
10) Methyl Iodide	4.29	142	40751	25.680	ug/l	94
11) Tert butyl alcohol	5.21	59	11893m	84.145	ug/l	
12) 1,1-Dichloroethene	4.07	96	38376	20.407	ug/l	93
13) Acrolein	3.92	56	10422	66.839	ug/l	100
14) Allyl chloride	4.71	41	53921	18.343	ug/l #	85
15) Acrylonitrile	5.41	53	36493	94.713	ug/l	96
16) Acetone	4.15	43	35301	94.233	ug/l #	83
17) Carbon Disulfide	4.40	76	114720	18.806	ug/l	99
18) Methyl Acetate	4.72	43	15517	17.806	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	82515	21.356	ug/l	98
20) Methylene Chloride	4.96	84	49559	22.282	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	44589	20.979	ug/l	97
22) Diisopropyl ether	6.36	45	106614	19.090	ug/l	89
23) Vinyl Acetate	6.30	43	295614	93.855	ug/l	98
24) 1,1-Dichloroethane	6.26	63	71415	21.104	ug/l	99
25) 2-Butanone	7.21	43	42740	85.982	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	70348	23.118	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46566	20.693	ug/l	99
28) Bromochloromethane	7.54	49	26918	18.742	ug/l	87
29) Tetrahydrofuran	7.56	42	26677	86.980	ug/l	91
30) Chloroform	7.71	83	79647	22.501	ug/l	95
31) Cyclohexane	7.99	56	64185	19.280	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	76702	23.426	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61814	22.765	ug/l	98
37) Ethyl Acetate	7.29	43	20481	19.751	ug/l	97
38) Carbon Tetrachloride	8.09	117	74270	25.208	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69859	21.245	ug/l	97
40) Benzene	8.35	78	161005	21.195	ug/l	96
41) Methacrylonitrile	7.53	41	13055	21.976	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	50941	24.472	ug/l	96
43) Isopropyl Acetate	8.45	43	37781	18.654	ug/l	97
44) Trichloroethene	9.11	130	52159	22.690	ug/l	87
45) 1,2-Dichloropropane	9.38	63	38162	20.742	ug/l	95
46) Dibromomethane	9.47	93	22278	22.493	ug/l	99
47) Bromodichloromethane	9.66	83	59104	22.569	ug/l	95
48) Methyl methacrylate	9.46	41	18946	18.545	ug/l #	89
49) 1,4-Dioxane	9.46	88	4635	403.933	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	95831	93.906	ug/l	97
52) Toluene	10.40	92	112822	22.774	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	55937	22.927	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	65702	22.216	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30555	21.752	ug/l	95
56) Ethyl methacrylate	10.66	69	34742	21.273	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50711	21.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	86014	110.251	ug/l	95
59) 2-Hexanone	10.98	43	68551	96.934	ug/l	98
60) Dibromochloromethane	11.14	129	44407	23.447	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30560	22.564	ug/l	97
64) Tetrachloroethene	10.87	164	47631	23.377	ug/l	91
65) Chlorobenzene	11.67	112	123843	22.532	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	48645	23.969	ug/l	99
67) Ethyl Benzene	11.75	91	217191	22.962	ug/l	99
68) m/p-Xylenes	11.86	106	171290	47.115	ug/l	99
69) o-Xylene	12.18	106	74904	22.652	ug/l	94
70) Styrene	12.20	104	135396	23.831	ug/l	99
71) Bromoform	12.36	173	27048	22.752	ug/l #	99
73) Isopropylbenzene	12.48	105	216847	21.989	ug/l	99
74) N-amyl acetate	12.29	43	38384	18.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	30199	18.530	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	24493m	19.960	ug/l	
77) Bromobenzene	12.77	156	55197	21.901	ug/l	95
78) n-propylbenzene	12.83	91	249468	21.800	ug/l	98
79) 2-Chlorotoluene	12.91	91	143425	21.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	188548	23.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10573	19.771	ug/l	97
82) 4-Chlorotoluene	13.01	91	152989	22.170	ug/l	99
83) tert-Butylbenzene	13.23	119	158381	22.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	182445	22.825	ug/l	99
85) sec-Butylbenzene	13.41	105	219005	22.426	ug/l	99
86) p-Isopropyltoluene	13.53	119	207365	23.373	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	107046	22.877	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105194	22.238	ug/l	99
89) n-Butylbenzene	13.85	91	186261	22.579	ug/l	97
90) Hexachloroethane	14.12	117	40841	22.237	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	91827	22.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5613	21.014	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	66148	22.728	ug/l	98
94) Hexachlorobutadiene	15.28	225	42605	23.678	ug/l	99
95) Naphthalene	15.41	128	95413	20.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56364	22.277	ug/l	100

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

