

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067340.D
 Acq On : 21 Oct 2020 11:47
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:15 PM

Quant Time: Oct 22 00:34:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	309026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	456447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160395	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.93	113	164118	54.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.34	98	596106	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.64	95	206446	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54787	19.412	ug/l	95
3) Chloromethane	2.21	50	38754	19.926	ug/l	99
4) Vinyl Chloride	2.35	62	41446	19.422	ug/l	98
5) Bromomethane	2.76	94	33795	21.415	ug/l	98
6) Chloroethane	2.92	64	27213	20.477	ug/l	91
7) Trichlorofluoromethane	3.27	101	110002	20.472	ug/l	99
8) Diethyl Ether	3.71	74	24419	19.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58538	20.505	ug/l	97
10) Methyl Iodide	4.30	142	54669	20.759	ug/l	98
11) Tert butyl alcohol	5.21	59	17723	78.899	ug/l	97
12) 1,1-Dichloroethene	4.07	96	52492	20.581	ug/l	92
13) Acrolein	3.91	56	11379	77.832	ug/l	94
14) Allyl chloride	4.71	41	56501	19.345	ug/l	99
15) Acrylonitrile	5.41	53	41272	100.596	ug/l	98
16) Acetone	4.16	43	40734	93.945	ug/l	99
17) Carbon Disulfide	4.41	76	144096	19.818	ug/l	99
18) Methyl Acetate	4.71	43	20501	20.730	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	100935	19.903	ug/l	92
20) Methylene Chloride	4.97	84	62728	19.882	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	58717	20.006	ug/l	92
22) Diisopropyl ether	6.37	45	111897	20.972	ug/l	96
23) Vinyl Acetate	6.31	43	310511	102.294	ug/l	99
24) 1,1-Dichloroethane	6.27	63	92872	20.334	ug/l	96
25) 2-Butanone	7.21	43	50295	101.760	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99273	21.088	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	66035	20.529	ug/l	100
28) Bromochloromethane	7.54	49	30962	19.875	ug/l	98
29) Tetrahydrofuran	7.56	42	27745	100.985	ug/l	92
30) Chloroform	7.71	83	114459	20.978	ug/l	92
31) Cyclohexane	7.98	56	69829	19.582	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	109906	20.531	ug/l	98
36) 1,1-Dichloropropene	8.12	75	80374	20.775	ug/l	100
37) Ethyl Acetate	7.30	43	24981	21.947	ug/l #	95
38) Carbon Tetrachloride	8.10	117	104173	21.068	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82539	20.408	ug/l	95
40) Benzene	8.35	78	225791	21.274	ug/l	99
41) Methacrylonitrile	7.53	41	10734	17.451	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	70045	21.089	ug/l	97
43) Isopropyl Acetate	8.46	43	47177	20.888	ug/l	99
44) Trichloroethene	9.11	130	72918	21.458	ug/l	94
45) 1,2-Dichloropropane	9.39	63	51115	20.781	ug/l	99
46) Dibromomethane	9.47	93	32205	21.014	ug/l	96
47) Bromodichloromethane	9.67	83	84571	20.597	ug/l	99
48) Methyl methacrylate	9.46	41	21739	19.806	ug/l	97
49) 1,4-Dioxane	9.46	88	5707	365.539	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	116975	103.839	ug/l	98
52) Toluene	10.41	92	153745	21.269	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	76491	21.207	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	89952	21.309	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	45579	21.810	ug/l	92
56) Ethyl methacrylate	10.66	69	44831	20.685	ug/l	98
57) 1,3-Dichloropropane	10.95	76	71389	21.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	119168	107.179	ug/l	99
59) 2-Hexanone	10.98	43	80573	104.671	ug/l	99
60) Dibromochloromethane	11.14	129	66099	21.688	ug/l	99
61) 1,2-Dibromoethane	11.25	107	44493	21.596	ug/l	100
64) Tetrachloroethene	10.88	164	65411	21.173	ug/l	93
65) Chlorobenzene	11.67	112	172173	21.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	69911	21.513	ug/l	99
67) Ethyl Benzene	11.75	91	297711	21.241	ug/l	99
68) m/p-Xylenes	11.86	106	232143	43.010	ug/l	98
69) o-Xylene	12.18	106	102122	20.432	ug/l	98
70) Styrene	12.20	104	180698	21.002	ug/l	100
71) Bromoform	12.37	173	37140	21.274	ug/l #	100
73) Isopropylbenzene	12.48	105	292621	21.678	ug/l	99
74) N-amyl acetate	12.30	43	41677	20.442	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	46094	22.286	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	33000m	22.386	ug/l	
77) Bromobenzene	12.77	156	71965	21.384	ug/l	99
78) n-propylbenzene	12.83	91	344415	22.021	ug/l	100
79) 2-Chlorotoluene	12.91	91	196974	21.717	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	257350	21.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	13743	21.141	ug/l	94
82) 4-Chlorotoluene	13.01	91	208983	21.709	ug/l	100
83) tert-Butylbenzene	13.23	119	216885	21.888	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	254999	21.994	ug/l	99
85) sec-Butylbenzene	13.40	105	286016	21.036	ug/l	99
86) p-Isopropyltoluene	13.52	119	277517	21.625	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	138844	21.435	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140402	21.877	ug/l	99
89) n-Butylbenzene	13.85	91	239492	21.213	ug/l	99
90) Hexachloroethane	14.11	117	46658	20.835	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	121964	21.553	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7053	18.770	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	84107	22.045	ug/l	95
94) Hexachlorobutadiene	15.27	225	51156	21.592	ug/l	98
95) Naphthalene	15.41	128	128154	20.459	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	69594	21.114	ug/l	99

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

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