

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067305.D
 Acq On : 19 Oct 2020 13:29
 Operator : VA/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:01 PM

Quant Time: Oct 20 01:23:04 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	302969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	462923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	161323	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.92	113	159138	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.34	98	579697	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.64	95	205906	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55985	20.435	ug/l	96
3) Chloromethane	2.21	50	36698	19.247	ug/l	94
4) Vinyl Chloride	2.35	62	41259	19.721	ug/l	99
5) Bromomethane	2.75	94	31352	20.132	ug/l	86
6) Chloroethane	2.91	64	25493	19.566	ug/l	96
7) Trichlorofluoromethane	3.27	101	108824	20.657	ug/l	98
8) Diethyl Ether	3.70	74	23734	19.689	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56798	20.293	ug/l	99
10) Methyl Iodide	4.30	142	48401	18.746	ug/l	98
11) Tert butyl alcohol	5.21	59	22259	116.748	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	51696	20.675	ug/l	84
13) Acrolein	3.92	56	10714	75.607	ug/l	90
14) Allyl chloride	4.70	41	54943	19.187	ug/l	99
15) Acrylonitrile	5.42	53	40328	100.260	ug/l	98
16) Acetone	4.16	43	43222	101.676	ug/l	90
17) Carbon Disulfide	4.40	76	140537	19.715	ug/l	100
18) Methyl Acetate	4.71	43	19115	19.715	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	98937	19.899	ug/l	97
20) Methylene Chloride	4.96	84	61304	19.803	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	59878	20.809	ug/l	89
22) Diisopropyl ether	6.36	45	108671	20.775	ug/l	93
23) Vinyl Acetate	6.30	43	300580	101.002	ug/l	99
24) 1,1-Dichloroethane	6.26	63	94019	20.997	ug/l	98
25) 2-Butanone	7.21	43	49562	102.282	ug/l	100
26) 2,2-Dichloropropane	7.20	77	97548	21.136	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	64312	20.393	ug/l	98
28) Bromochloromethane	7.54	49	30362	19.880	ug/l #	100
29) Tetrahydrofuran	7.56	42	26088	96.852	ug/l	90
30) Chloroform	7.71	83	111118	20.773	ug/l	91
31) Cyclohexane	7.99	56	70762	20.241	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	107479	20.479	ug/l	98
36) 1,1-Dichloropropene	8.11	75	78466	19.999	ug/l	98
37) Ethyl Acetate	7.29	43	23097	20.008	ug/l #	93
38) Carbon Tetrachloride	8.10	117	102017	20.344	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76572	18.668	ug/l	98
40) Benzene	8.36	78	214891	19.964	ug/l	99
41) Methacrylonitrile	7.52	41	10517	16.859	ug/l	94
42) 1,2-Dichloroethane	8.43	62	68416	20.310	ug/l	99
43) Isopropyl Acetate	8.45	43	46487	20.295	ug/l	99
44) Trichloroethene	9.11	130	71049	20.616	ug/l	88
45) 1,2-Dichloropropane	9.39	63	49657	19.906	ug/l	93
46) Dibromomethane	9.48	93	31522	20.281	ug/l	94
47) Bromodichloromethane	9.67	83	83422	20.033	ug/l	93
48) Methyl methacrylate	9.46	41	20637	18.539	ug/l	93
49) 1,4-Dioxane	9.47	88	6247	397.013	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	113720	99.538	ug/l	99
52) Toluene	10.41	92	152751	20.835	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	74969	20.494	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	85242	19.911	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	43857	20.692	ug/l	93
56) Ethyl methacrylate	10.66	69	44537	20.261	ug/l	97
57) 1,3-Dichloropropane	10.95	76	68842	20.410	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	115193	102.155	ug/l	97
59) 2-Hexanone	10.99	43	78733	100.850	ug/l	99
60) Dibromochloromethane	11.14	129	63783	20.635	ug/l	96
61) 1,2-Dibromoethane	11.25	107	43662	20.896	ug/l	96
64) Tetrachloroethene	10.88	164	62751	20.326	ug/l	95
65) Chlorobenzene	11.67	112	170108	20.818	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	67034	20.642	ug/l	99
67) Ethyl Benzene	11.75	91	284053	20.280	ug/l	96
68) m/p-Xylenes	11.86	106	224792	41.676	ug/l	100
69) o-Xylene	12.18	106	101168	20.255	ug/l	99
70) Styrene	12.20	104	182826	21.264	ug/l	100
71) Bromoform	12.37	173	34751	19.919	ug/l #	94
73) Isopropylbenzene	12.48	105	286520	20.461	ug/l	99
74) N-amyl acetate	12.29	43	42199	19.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	42570	19.841	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	32515m	21.263	ug/l	
77) Bromobenzene	12.77	156	70943	20.321	ug/l	99
78) n-propylbenzene	12.83	91	332539	20.496	ug/l	100
79) 2-Chlorotoluene	12.91	91	191284	20.330	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	251302	20.652	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13387	19.852	ug/l	92
82) 4-Chlorotoluene	13.01	91	206800	20.709	ug/l	99
83) tert-Butylbenzene	13.23	119	211478	20.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	248344	20.649	ug/l	99
85) sec-Butylbenzene	13.41	105	284194	20.150	ug/l	100
86) p-Isopropyltoluene	13.52	119	279803	21.018	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	139099	20.701	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	139462	20.948	ug/l	99
89) n-Butylbenzene	13.85	91	236741	20.214	ug/l	98
90) Hexachloroethane	14.12	117	48218	20.756	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	123596	21.055	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7440	19.087	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80922	20.446	ug/l	97
94) Hexachlorobutadiene	15.28	225	51398	20.913	ug/l	99
95) Naphthalene	15.41	128	127151	19.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68066	19.907	ug/l	99

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

