

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067575.D
 Acq On : 10 Nov 2020 11:54
 Operator : VA/SY
 Sample : VD1110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:04:09 PM

Quant Time: Nov 11 00:20:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	447155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	412064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	207655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126536	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.91	113	134393	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.34	98	456317	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	164736	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64718	23.070	ug/l	93
3) Chloromethane	2.21	50	39894	20.448	ug/l	97
4) Vinyl Chloride	2.35	62	43923	20.193	ug/l	98
5) Bromomethane	2.76	94	35425	20.094	ug/l	91
6) Chloroethane	2.92	64	27769	20.707	ug/l	96
7) Trichlorofluoromethane	3.27	101	120247	21.351	ug/l	86
8) Diethyl Ether	3.70	74	22687	19.991	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61124	21.501	ug/l	97
10) Methyl Iodide	4.30	142	57861	18.990	ug/l	99
11) Tert butyl alcohol	5.19	59	23363m	193.323	ug/l	
12) 1,1-Dichloroethene	4.07	96	55473	21.214	ug/l	94
13) Acrolein	3.92	56	6655	76.878	ug/l	87
14) Allyl chloride	4.71	41	57015	20.372	ug/l	97
15) Acrylonitrile	5.41	53	43903	104.656	ug/l	95
16) Acetone	4.16	43	39164	95.536	ug/l	99
17) Carbon Disulfide	4.41	76	161133	20.109	ug/l	96
18) Methyl Acetate	4.71	43	17802	21.015	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	106240	20.597	ug/l	93
20) Methylene Chloride	4.96	84	64565	22.296	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	62368	20.477	ug/l	97
22) Diisopropyl ether	6.36	45	117071	21.466	ug/l	96
23) Vinyl Acetate	6.30	43	299913	105.057	ug/l	98
24) 1,1-Dichloroethane	6.26	63	93176	20.884	ug/l	99
25) 2-Butanone	7.21	43	47461	108.350	ug/l	99
26) 2,2-Dichloropropane	7.21	77	102383	21.743	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	65715	20.787	ug/l	95
28) Bromochloromethane	7.55	49	30997	19.531	ug/l	97
29) Tetrahydrofuran	7.56	42	28899	110.140	ug/l	98
30) Chloroform	7.71	83	114538	21.518	ug/l	99
31) Cyclohexane	7.98	56	83633	21.049	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	117868	21.462	ug/l	98
36) 1,1-Dichloropropene	8.11	75	83588	21.838	ug/l	99
37) Ethyl Acetate	7.29	43	21928	22.067	ug/l	94
38) Carbon Tetrachloride	8.10	117	115920	23.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	98421	21.847	ug/l	100
40) Benzene	8.35	78	227898	21.981	ug/l	96
41) Methacrylonitrile	7.53	41	14455	24.336	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	70296	21.944	ug/l	97
43) Isopropyl Acetate	8.46	43	41929	21.335	ug/l	94
44) Trichloroethene	9.11	130	74825	21.949	ug/l	90
45) 1,2-Dichloropropane	9.39	63	50447	22.505	ug/l	98
46) Dibromomethane	9.48	93	30299	21.258	ug/l	93
47) Bromodichloromethane	9.66	83	85186	21.989	ug/l	95
48) Methyl methacrylate	9.46	41	20990	20.686	ug/l	89
49) 1,4-Dioxane	9.47	88	6445	445.431	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	105500	112.248	ug/l	98
52) Toluene	10.41	92	155664	22.416	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	73684	22.208	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	86864	22.035	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	42198	22.376	ug/l	97
56) Ethyl methacrylate	10.67	69	43726	22.453	ug/l	96
57) 1,3-Dichloropropane	10.95	76	65884	21.711	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	93625	103.094	ug/l	97
59) 2-Hexanone	10.98	43	71829	109.301	ug/l	98
60) Dibromochloromethane	11.14	129	62611	22.444	ug/l	100
61) 1,2-Dibromoethane	11.25	107	42575	22.494	ug/l	99
64) Tetrachloroethene	10.88	164	68599	22.479	ug/l	95
65) Chlorobenzene	11.67	112	172592	21.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	68938	22.036	ug/l	98
67) Ethyl Benzene	11.75	91	300980	22.159	ug/l	99
68) m/p-Xylenes	11.86	106	234914	44.456	ug/l	100
69) o-Xylene	12.18	106	101961	21.612	ug/l	97
70) Styrene	12.20	104	181867	22.122	ug/l	98
71) Bromoform	12.36	173	36613	22.947	ug/l #	99
73) Isopropylbenzene	12.48	105	294654	21.956	ug/l	97
74) N-amyl acetate	12.29	43	39930	22.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	40631	22.202	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	25628m	20.458	ug/l	
77) Bromobenzene	12.77	156	74155	22.499	ug/l	97
78) n-propylbenzene	12.83	91	347624	22.646	ug/l	99
79) 2-Chlorotoluene	12.91	91	195159	22.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	260722	22.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13499	21.878	ug/l	97
82) 4-Chlorotoluene	13.01	91	214370	22.922	ug/l	98
83) tert-Butylbenzene	13.23	119	221126	22.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	260320	22.812	ug/l	100
85) sec-Butylbenzene	13.41	105	300477	22.909	ug/l	100
86) p-Isopropyltoluene	13.52	119	284291	22.445	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	137407	21.849	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140473	22.059	ug/l	98
89) n-Butylbenzene	13.85	91	244843	22.380	ug/l	99
90) Hexachloroethane	14.11	117	53209	22.308	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	121985	22.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7657	23.632	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82154	22.239	ug/l	97
94) Hexachlorobutadiene	15.27	225	56103	22.692	ug/l	94
95) Naphthalene	15.41	128	124582	21.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68941	21.793	ug/l	100

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

