

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067617.D
 Acq On : 12 Nov 2020 12:30
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:42 PM

Quant Time: Nov 13 00:44:29 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	345870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	138880	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	7.92	113	147622	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.34	98	500834	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.64	95	185687	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63635	20.000	ug/l	95
3) Chloromethane	2.21	50	43925	20.394	ug/l	95
4) Vinyl Chloride	2.35	62	47314	19.704	ug/l	97
5) Bromomethane	2.76	94	37352	19.191	ug/l	91
6) Chloroethane	2.92	64	31034	20.963	ug/l	96
7) Trichlorofluoromethane	3.27	101	127273	20.470	ug/l	100
8) Diethyl Ether	3.71	74	27654	22.073	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67588	21.536	ug/l	99
10) Methyl Iodide	4.30	142	65021	19.330	ug/l	97
11) Tert butyl alcohol	5.18	59	29418	223.591	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	61732	21.384	ug/l	92
13) Acrolein	3.93	56	5754	66.357	ug/l	97
14) Allyl chloride	4.71	41	66256	21.445	ug/l	96
15) Acrylonitrile	5.42	53	50991	110.105	ug/l	99
16) Acetone	4.15	43	43635	96.418	ug/l #	87
17) Carbon Disulfide	4.41	76	175770	19.870	ug/l	99
18) Methyl Acetate	4.71	43	23228	24.837	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	122101	21.443	ug/l	93
20) Methylene Chloride	4.96	84	69405	21.710	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	69873	20.781	ug/l	98
22) Diisopropyl ether	6.36	45	136969	22.749	ug/l	98
23) Vinyl Acetate	6.30	43	343116	108.871	ug/l	99
24) 1,1-Dichloroethane	6.27	63	106932	21.710	ug/l	99
25) 2-Butanone	7.21	43	56275	116.373	ug/l	98
26) 2,2-Dichloropropane	7.21	77	111193	21.390	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	76044	21.789	ug/l	98
28) Bromochloromethane	7.54	49	35209	20.096	ug/l	98
29) Tetrahydrofuran	7.56	42	35121	121.248	ug/l	97
30) Chloroform	7.71	83	125679	21.388	ug/l	95
31) Cyclohexane	7.98	56	90027	20.525	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	123996	20.451	ug/l	99
36) 1,1-Dichloropropene	8.11	75	93281	21.379	ug/l	98
37) Ethyl Acetate	7.29	43	23168	20.453	ug/l #	93
38) Carbon Tetrachloride	8.10	117	123094	21.714	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106099	20.661	ug/l	98
40) Benzene	8.36	78	259325	21.942	ug/l	98
41) Methacrylonitrile	7.53	41	15062	22.245	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	75540	20.687	ug/l	97
43) Isopropyl Acetate	8.46	43	50339	22.470	ug/l	97
44) Trichloroethene	9.11	130	82065	21.118	ug/l	86
45) 1,2-Dichloropropane	9.39	63	57004	22.308	ug/l	94
46) Dibromomethane	9.48	93	35401	21.789	ug/l	100
47) Bromodichloromethane	9.67	83	96320	21.812	ug/l	97
48) Methyl methacrylate	9.46	41	23322	20.163	ug/l	91
49) 1,4-Dioxane	9.47	88	7205	436.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	122248	114.101	ug/l	98
52) Toluene	10.41	92	174903	22.094	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	82514	21.817	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	99507	22.144	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48523	22.572	ug/l	95
56) Ethyl methacrylate	10.66	69	49535	22.314	ug/l	96
57) 1,3-Dichloropropane	10.95	76	77884	22.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	116035	112.087	ug/l	100
59) 2-Hexanone	10.99	43	81145	108.320	ug/l	98
60) Dibromochloromethane	11.14	129	70650	22.217	ug/l	100
61) 1,2-Dibromoethane	11.25	107	48038	22.265	ug/l	97
64) Tetrachloroethene	10.88	164	72036	20.958	ug/l	96
65) Chlorobenzene	11.67	112	191662	21.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	78194	22.191	ug/l	98
67) Ethyl Benzene	11.75	91	334043	21.835	ug/l	99
68) m/p-Xylenes	11.86	106	262426	44.092	ug/l	98
69) o-Xylene	12.18	106	115756	21.784	ug/l	99
70) Styrene	12.20	104	203667	21.995	ug/l	99
71) Bromoform	12.36	173	39498	21.979	ug/l #	97
73) Isopropylbenzene	12.48	105	328111	21.754	ug/l	100
74) N-amyl acetate	12.29	43	42704	21.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	47386	23.040	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	27841m	19.775	ug/l	
77) Bromobenzene	12.77	156	82305	22.220	ug/l	99
78) n-propylbenzene	12.83	91	376015	21.795	ug/l	99
79) 2-Chlorotoluene	12.91	91	217434	22.187	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	285376	22.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14315	20.644	ug/l	96
82) 4-Chlorotoluene	13.01	91	234844	22.344	ug/l	97
83) tert-Butylbenzene	13.23	119	241424	22.109	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	287417	22.410	ug/l	99
85) sec-Butylbenzene	13.41	105	326423	22.144	ug/l	98
86) p-Isopropyltoluene	13.52	119	305884	21.488	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	157134	22.232	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	153971	21.514	ug/l	98
89) n-Butylbenzene	13.85	91	260828	21.213	ug/l	99
90) Hexachloroethane	14.11	117	57948	21.617	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	132842	21.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7882	21.645	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	90188	21.723	ug/l	98
94) Hexachlorobutadiene	15.27	225	58200	20.945	ug/l	95
95) Naphthalene	15.40	128	136429	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75592	21.262	ug/l	97

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

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