

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067677.D
 Acq On : 18 Nov 2020 11:20
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:05 AM

Quant Time: Nov 19 00:40:38 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	275920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	406475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	120647	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.92	113	123409	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	418999	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.64	95	156068	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52524	20.867	ug/l	91
3) Chloromethane	2.21	50	32779	19.077	ug/l	93
4) Vinyl Chloride	2.35	62	36710	19.163	ug/l	97
5) Bromomethane	2.77	94	31638	20.377	ug/l	94
6) Chloroethane	2.93	64	23265	19.699	ug/l	92
7) Trichlorofluoromethane	3.28	101	106719	21.516	ug/l	90
8) Diethyl Ether	3.71	74	20936	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53615	21.414	ug/l	98
10) Methyl Iodide	4.30	142	50727	18.904	ug/l	99
11) Tert butyl alcohol	5.20	59	22609m	214.598	ug/l	
12) 1,1-Dichloroethene	4.07	96	48883	21.226	ug/l	95
13) Acrolein	3.92	56	4098	62.281	ug/l	91
14) Allyl chloride	4.71	41	48881	19.832	ug/l	97
15) Acrylonitrile	5.42	53	38671	104.671	ug/l	97
16) Acetone	4.16	43	33706	93.359	ug/l	97
17) Carbon Disulfide	4.41	76	133235	18.880	ug/l #	95
18) Methyl Acetate	4.73	43	14751	19.772	ug/l #	41
19) Methyl tert-butyl Ether	5.47	73	93637	20.613	ug/l #	92
20) Methylene Chloride	4.97	84	58850	23.076	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	56113	20.919	ug/l	98
22) Diisopropyl ether	6.37	45	101464	21.125	ug/l #	92
23) Vinyl Acetate	6.31	43	255832	101.755	ug/l	95
24) 1,1-Dichloroethane	6.27	63	82706	21.048	ug/l	95
25) 2-Butanone	7.22	43	38588	100.027	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	90155	21.740	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	60320	21.665	ug/l	99
28) Bromochloromethane	7.56	49	27049	19.353	ug/l #	1
29) Tetrahydrofuran	7.57	42	23717	102.635	ug/l	98
30) Chloroform	7.71	83	104756	22.347	ug/l	100
31) Cyclohexane	7.99	56	66772	19.082	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	103028	21.301	ug/l	100
36) 1,1-Dichloropropene	8.11	75	74273	21.347	ug/l	98
37) Ethyl Acetate	7.30	43	19461	21.544	ug/l #	80
38) Carbon Tetrachloride	8.10	117	99052	21.911	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81221	19.834	ug/l	96
40) Benzene	8.36	78	207799	22.048	ug/l	100
41) Methacrylonitrile	7.53	41	11580m	21.447	ug/l	
42) 1,2-Dichloroethane	8.43	62	65215	22.396	ug/l	99
43) Isopropyl Acetate	8.46	43	37838	21.180	ug/l	99
44) Trichloroethene	9.12	130	65929	21.275	ug/l	88
45) 1,2-Dichloropropane	9.39	63	43511	21.353	ug/l	94
46) Dibromomethane	9.48	93	26614	20.541	ug/l	94
47) Bromodichloromethane	9.67	83	76930	21.846	ug/l	98
48) Methyl methacrylate	9.46	41	17830	19.330	ug/l	95
49) 1,4-Dioxane	9.46	88	5858	445.380	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	90069	105.420	ug/l	100
52) Toluene	10.41	92	142682	22.602	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	65104	21.586	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	76358	21.309	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	37510	21.881	ug/l	97
56) Ethyl methacrylate	10.67	69	37020	20.912	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57888	20.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	85718	103.834	ug/l	100
59) 2-Hexanone	10.99	43	60169	100.721	ug/l	99
60) Dibromochloromethane	11.15	129	56419	22.248	ug/l	100
61) 1,2-Dibromoethane	11.25	107	36628	21.289	ug/l	94
64) Tetrachloroethene	10.88	164	61082	22.295	ug/l	92
65) Chlorobenzene	11.68	112	155644	21.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	61914	22.044	ug/l	99
67) Ethyl Benzene	11.75	91	268534	22.022	ug/l	98
68) m/p-Xylenes	11.86	106	212756	44.847	ug/l	98
69) o-Xylene	12.18	106	95825	22.624	ug/l	99
70) Styrene	12.20	104	166073	22.501	ug/l	98
71) Bromoform	12.37	173	30340	21.181	ug/l #	93
73) Isopropylbenzene	12.48	105	262451	21.503	ug/l	98
74) N-amyl acetate	12.30	43	31664	19.716	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	35567	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	21137m	18.553	ug/l	
77) Bromobenzene	12.77	156	66635	22.231	ug/l	97
78) n-propylbenzene	12.83	91	305990	21.918	ug/l	100
79) 2-Chlorotoluene	12.91	91	174872	22.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	230957	22.152	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11815	21.056	ug/l	96
82) 4-Chlorotoluene	13.01	91	189154	22.240	ug/l	99
83) tert-Butylbenzene	13.23	119	195670	22.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	233938	22.541	ug/l	99
85) sec-Butylbenzene	13.41	105	260712	21.856	ug/l	100
86) p-Isopropyltoluene	13.52	119	252782	21.945	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	122326	21.388	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	124090	21.427	ug/l	99
89) n-Butylbenzene	13.85	91	214465	21.555	ug/l	100
90) Hexachloroethane	14.11	117	46283	21.336	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	107771	21.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6462	21.930	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	73507	21.879	ug/l	98
94) Hexachlorobutadiene	15.27	225	47618	21.177	ug/l	98
95) Naphthalene	15.41	128	106404	20.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60797	21.132	ug/l	99

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

