

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067653.D
 Acq On : 17 Nov 2020 11:00
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 10:50:17 AM

Quant Time: Nov 18 00:08:17 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	285372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117133	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	7.92	113	118515	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.34	98	405802	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	12.64	95	147997	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52975	20.225	ug/l	93
3) Chloromethane	2.21	50	33723	18.977	ug/l	94
4) Vinyl Chloride	2.36	62	36913	18.631	ug/l	98
5) Bromomethane	2.77	94	32308	20.119	ug/l	88
6) Chloroethane	2.93	64	23868	19.540	ug/l	96
7) Trichlorofluoromethane	3.28	101	104412	20.353	ug/l	95
8) Diethyl Ether	3.71	74	20103	19.448	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51144	19.751	ug/l	96
10) Methyl Iodide	4.30	142	48342	17.418	ug/l	100
11) Tert butyl alcohol	5.21	59	16937	149.378	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	47028	19.744	ug/l	85
13) Acrolein	3.93	56	3971	60.141	ug/l	99
14) Allyl chloride	4.71	41	46936	18.412	ug/l	98
15) Acrylonitrile	5.43	53	36139	94.578	ug/l	96
16) Acetone	4.16	43	31178	83.497	ug/l	90
17) Carbon Disulfide	4.41	76	133139	18.242	ug/l	97
18) Methyl Acetate	4.72	43	14961m	19.389	ug/l	
19) Methyl tert-butyl Ether	5.47	73	92259	19.637	ug/l	99
20) Methylene Chloride	4.97	84	54854	20.796	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	54283	19.567	ug/l	92
22) Diisopropyl ether	6.36	45	96801	19.486	ug/l	92
23) Vinyl Acetate	6.30	43	247349	95.122	ug/l	97
24) 1,1-Dichloroethane	6.27	63	80804	19.883	ug/l	98
25) 2-Butanone	7.21	43	37657	94.381	ug/l	92
26) 2,2-Dichloropropane	7.21	77	87659	20.438	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	57431	19.945	ug/l	98
28) Bromochloromethane	7.55	49	26737	18.496	ug/l	99
29) Tetrahydrofuran	7.56	42	23642	98.922	ug/l	99
30) Chloroform	7.71	83	100897	20.811	ug/l	98
31) Cyclohexane	7.98	56	68409	18.902	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	102994	20.589	ug/l	99
36) 1,1-Dichloropropene	8.12	75	75251	21.770	ug/l	97
37) Ethyl Acetate	7.29	43	17071	19.022	ug/l	98
38) Carbon Tetrachloride	8.10	117	101224	22.538	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81755	20.095	ug/l	98
40) Benzene	8.36	78	196887	21.027	ug/l	97
41) Methacrylonitrile	7.53	41	12442m	23.194	ug/l	
42) 1,2-Dichloroethane	8.43	62	62051	21.449	ug/l	99
43) Isopropyl Acetate	8.46	43	35330	19.906	ug/l	94
44) Trichloroethene	9.11	130	63241	20.541	ug/l	98
45) 1,2-Dichloropropane	9.39	63	42371	20.930	ug/l	95
46) Dibromomethane	9.48	93	25942	20.154	ug/l	97
47) Bromodichloromethane	9.67	83	76076	21.745	ug/l	98
48) Methyl methacrylate	9.46	41	17843	19.471	ug/l	93
49) 1,4-Dioxane	9.46	88	5203	398.174	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	90032	106.068	ug/l	97
52) Toluene	10.41	92	138536	22.089	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	64324	21.467	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	74147	20.828	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	36431	21.391	ug/l	95
56) Ethyl methacrylate	10.66	69	34615	19.682	ug/l	99
57) 1,3-Dichloropropane	10.95	76	58422	21.317	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	86710	105.724	ug/l	99
59) 2-Hexanone	10.99	43	59901	100.930	ug/l	97
60) Dibromochloromethane	11.14	129	57213	22.709	ug/l	98
61) 1,2-Dibromoethane	11.26	107	35810	20.950	ug/l	97
64) Tetrachloroethene	10.88	164	56541	20.340	ug/l	99
65) Chlorobenzene	11.68	112	151285	20.925	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	62472	21.923	ug/l	97
67) Ethyl Benzene	11.75	91	259610	20.984	ug/l	99
68) m/p-Xylenes	11.86	106	207905	43.194	ug/l	99
69) o-Xylene	12.18	106	87778	20.426	ug/l	95
70) Styrene	12.20	104	159977	21.364	ug/l	99
71) Bromoform	12.37	173	31506	21.679	ug/l	# 99
73) Isopropylbenzene	12.48	105	262116	21.389	ug/l	99
74) N-amyl acetate	12.30	43	30190	18.722	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	34350	20.556	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	23728m	20.743	ug/l	
77) Bromobenzene	12.77	156	66431	22.073	ug/l	96
78) n-propylbenzene	12.83	91	301798	21.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	170333	21.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	228941	21.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10811	19.188	ug/l	96
82) 4-Chlorotoluene	13.01	91	187449	21.950	ug/l	100
83) tert-Butylbenzene	13.23	119	187931	21.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	226756	21.761	ug/l	99
85) sec-Butylbenzene	13.41	105	258716	21.601	ug/l	99
86) p-Isopropyltoluene	13.52	119	246477	21.311	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	124298	21.644	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	124058	21.334	ug/l	100
89) n-Butylbenzene	13.85	91	209991	21.020	ug/l	99
90) Hexachloroethane	14.11	117	47563	21.837	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	106880	21.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6136	20.739	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70935	21.028	ug/l	98
94) Hexachlorobutadiene	15.27	225	47712	21.133	ug/l	95
95) Naphthalene	15.41	128	106125	20.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58271	20.172	ug/l	97

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

