

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067593.D
 Acq On : 11 Nov 2020 11:03
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:11:37 PM

Quant Time: Nov 12 00:25:25 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	298367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	436995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	409455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128067	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.91	113	129709	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.34	98	446345	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.64	95	169181	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59072	21.903	ug/l	98
3) Chloromethane	2.21	50	35617	19.170	ug/l	91
4) Vinyl Chloride	2.35	62	38158	18.421	ug/l	100
5) Bromomethane	2.76	94	31535	18.782	ug/l	90
6) Chloroethane	2.92	64	24128	18.893	ug/l	94
7) Trichlorofluoromethane	3.27	101	110611	20.623	ug/l	94
8) Diethyl Ether	3.71	74	22975	21.258	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	57938	21.400	ug/l	98
10) Methyl Iodide	4.30	142	51103	17.611	ug/l	98
11) Tert butyl alcohol	5.21	59	21107	182.266	ug/l	97
12) 1,1-Dichloroethene	4.07	96	48576	19.506	ug/l	97
13) Acrolein	3.94	56	5812	72.852	ug/l	94
14) Allyl chloride	4.71	41	49843	18.701	ug/l	98
15) Acrylonitrile	5.42	53	43140	107.983	ug/l	99
16) Acetone	4.16	43	35923	92.014	ug/l	94
17) Carbon Disulfide	4.40	76	146102	19.146	ug/l	98
18) Methyl Acetate	4.72	43	16806m	20.832	ug/l	
19) Methyl tert-butyl Ether	5.47	73	104666	21.307	ug/l	97
20) Methylene Chloride	4.96	84	58007	21.034	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	57804	19.929	ug/l	89
22) Diisopropyl ether	6.36	45	105770	20.364	ug/l	96
23) Vinyl Acetate	6.30	43	279962	102.975	ug/l	98
24) 1,1-Dichloroethane	6.27	63	84872	19.974	ug/l	96
25) 2-Butanone	7.21	43	43996	105.466	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	95074	21.201	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	61483	20.422	ug/l	99
28) Bromochloromethane	7.55	49	28538	18.882	ug/l	98
29) Tetrahydrofuran	7.56	42	29104	116.472	ug/l	98
30) Chloroform	7.71	83	109063	21.515	ug/l	98
31) Cyclohexane	7.98	56	73379	19.393	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	109958	21.024	ug/l	98
36) 1,1-Dichloropropene	8.12	75	80108	21.416	ug/l	98
37) Ethyl Acetate	7.29	43	21532	22.172	ug/l #	94
38) Carbon Tetrachloride	8.10	117	110400	22.716	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86782	19.712	ug/l	97
40) Benzene	8.36	78	220572	21.769	ug/l	98
41) Methacrylonitrile	7.53	41	13652	23.518	ug/l	87
42) 1,2-Dichloroethane	8.43	62	68643	21.927	ug/l	98
43) Isopropyl Acetate	8.46	43	44298	23.065	ug/l	98
44) Trichloroethene	9.11	130	69292	20.798	ug/l	92
45) 1,2-Dichloropropane	9.39	63	44165	20.160	ug/l	99
46) Dibromomethane	9.48	93	29886	21.456	ug/l	99
47) Bromodichloromethane	9.67	83	82251	21.725	ug/l	99
48) Methyl methacrylate	9.46	41	20153	20.323	ug/l	95
49) 1,4-Dioxane	9.46	88	6381	451.261	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	102696	111.805	ug/l	100
52) Toluene	10.41	92	146101	21.528	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	72637	22.402	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	78001	20.247	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	42813	23.230	ug/l	92
56) Ethyl methacrylate	10.67	69	42250	22.200	ug/l	95
57) 1,3-Dichloropropane	10.95	76	64950	21.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	90721	102.219	ug/l	98
59) 2-Hexanone	10.98	43	72909	113.523	ug/l	99
60) Dibromochloromethane	11.14	129	61049	22.393	ug/l	97
61) 1,2-Dibromoethane	11.25	107	40742	22.026	ug/l	99
64) Tetrachloroethene	10.88	164	63426	20.916	ug/l	98
65) Chlorobenzene	11.67	112	168217	21.328	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	64958	20.896	ug/l	99
67) Ethyl Benzene	11.75	91	281449	20.853	ug/l	98
68) m/p-Xylenes	11.86	106	222656	42.404	ug/l	100
69) o-Xylene	12.18	106	100768	21.495	ug/l	96
70) Styrene	12.20	104	178221	21.817	ug/l	98
71) Bromoform	12.37	173	34616	21.834	ug/l #	97
73) Isopropylbenzene	12.48	105	283106	21.171	ug/l	100
74) N-amyl acetate	12.29	43	38802	22.052	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	41138	22.561	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	25930m	20.774	ug/l	
77) Bromobenzene	12.77	156	71946	21.908	ug/l	97
78) n-propylbenzene	12.83	91	329786	21.561	ug/l	100
79) 2-Chlorotoluene	12.91	91	184987	21.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	248735	21.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14083	22.907	ug/l	91
82) 4-Chlorotoluene	13.01	91	201907	21.668	ug/l	99
83) tert-Butylbenzene	13.23	119	210446	21.738	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	248066	21.816	ug/l	99
85) sec-Butylbenzene	13.41	105	280484	21.462	ug/l	99
86) p-Isopropyltoluene	13.52	119	271031	21.476	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	139771	22.305	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	134416	21.184	ug/l	98
89) n-Butylbenzene	13.85	91	232022	21.284	ug/l	98
90) Hexachloroethane	14.11	117	52065	21.907	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	117133	21.598	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7898	24.464	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	80164	21.778	ug/l	100
94) Hexachlorobutadiene	15.27	225	52137	21.164	ug/l	97
95) Naphthalene	15.40	128	127100	22.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	69765	22.133	ug/l	99

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

