

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067558.D
 Acq On : 09 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:11:50 PM

Quant Time: Nov 10 00:38:16 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	299192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	435705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	390493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128959	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.92	113	125073	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.34	98	447021	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.64	95	162834	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60922	22.669	ug/l	92
3) Chloromethane	2.21	50	36705	19.701	ug/l	98
4) Vinyl Chloride	2.35	62	39937	19.226	ug/l	100
5) Bromomethane	2.76	94	32039	19.030	ug/l	97
6) Chloroethane	2.91	64	26072	20.359	ug/l	95
7) Trichlorofluoromethane	3.27	101	117403	21.828	ug/l	96
8) Diethyl Ether	3.71	74	23722	21.889	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56534	20.824	ug/l	96
10) Methyl Iodide	4.30	142	55852	19.195	ug/l	98
11) Tert butyl alcohol	5.22	59	15862	131.090	ug/l	98
12) 1,1-Dichloroethene	4.07	96	53774	21.534	ug/l	84
13) Acrolein	3.91	56	6566	78.486	ug/l	93
14) Allyl chloride	4.71	41	54901	20.542	ug/l	99
15) Acrylonitrile	5.43	53	43233	107.917	ug/l	96
16) Acetone	4.16	43	39340	100.489	ug/l	100
17) Carbon Disulfide	4.41	76	155018	20.258	ug/l	95
18) Methyl Acetate	4.71	43	17696	21.874	ug/l #	70
19) Methyl tert-butyl Ether	5.47	73	108415	22.010	ug/l	96
20) Methylene Chloride	4.97	84	65012	23.509	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	60016	20.634	ug/l	91
22) Diisopropyl ether	6.36	45	112577	21.615	ug/l	94
23) Vinyl Acetate	6.31	43	290343	106.499	ug/l	97
24) 1,1-Dichloroethane	6.26	63	91018	21.362	ug/l	99
25) 2-Butanone	7.21	43	46560	111.304	ug/l	98
26) 2,2-Dichloropropane	7.21	77	94691	21.057	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	64001	21.200	ug/l	99
28) Bromochloromethane	7.54	49	29259	19.305	ug/l	95
29) Tetrahydrofuran	7.56	42	27703	110.559	ug/l	98
30) Chloroform	7.71	83	109985	21.637	ug/l	99
31) Cyclohexane	7.99	56	74410	19.611	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	113253	21.594	ug/l	98
36) 1,1-Dichloropropene	8.11	75	80730	21.646	ug/l	97
37) Ethyl Acetate	7.29	43	22942	23.694	ug/l	95
38) Carbon Tetrachloride	8.10	117	109478	22.593	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	94849	21.608	ug/l	95
40) Benzene	8.36	78	218900	21.668	ug/l	99
41) Methacrylonitrile	7.53	41	9856	17.029	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	71005	22.748	ug/l	97
43) Isopropyl Acetate	8.46	43	41414	21.627	ug/l	98
44) Trichloroethene	9.11	130	73490	22.124	ug/l	86
45) 1,2-Dichloropropane	9.39	63	46317	21.205	ug/l	99
46) Dibromomethane	9.47	93	29864	21.504	ug/l	98
47) Bromodichloromethane	9.67	83	81227	21.519	ug/l	100
48) Methyl methacrylate	9.46	41	20367	20.599	ug/l #	90
49) 1,4-Dioxane	9.47	88	6849	485.792	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	106967	116.799	ug/l	100
52) Toluene	10.41	92	148595	21.960	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	73539	22.747	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	83478	21.733	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	40361	21.965	ug/l	98
56) Ethyl methacrylate	10.67	69	42121	22.197	ug/l	95
57) 1,3-Dichloropropane	10.95	76	63818	21.582	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	98357	111.151	ug/l	100
59) 2-Hexanone	10.99	43	72478	113.186	ug/l	96
60) Dibromochloromethane	11.14	129	62839	23.118	ug/l	97
61) 1,2-Dibromoethane	11.25	107	39738	21.547	ug/l	96
64) Tetrachloroethene	10.88	164	64428	22.278	ug/l	97
65) Chlorobenzene	11.67	112	164826	21.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	66597	22.464	ug/l	99
67) Ethyl Benzene	11.75	91	284830	22.129	ug/l	98
68) m/p-Xylenes	11.86	106	221325	44.198	ug/l	98
69) o-Xylene	12.18	106	98335	21.994	ug/l	97
70) Styrene	12.20	104	175396	22.514	ug/l	99
71) Bromoform	12.37	173	36081	23.863	ug/l #	99
73) Isopropylbenzene	12.48	105	287479	22.693	ug/l	100
74) N-amyl acetate	12.29	43	37637	22.579	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39365	22.788	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24355m	20.596	ug/l	
77) Bromobenzene	12.77	156	69275	22.267	ug/l	98
78) n-propylbenzene	12.83	91	331039	22.846	ug/l	99
79) 2-Chlorotoluene	12.91	91	187750	22.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	249753	23.079	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12086	20.751	ug/l	91
82) 4-Chlorotoluene	13.01	91	202909	22.985	ug/l	99
83) tert-Butylbenzene	13.23	119	204297	22.275	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	247168	22.945	ug/l	99
85) sec-Butylbenzene	13.40	105	278757	22.515	ug/l	98
86) p-Isopropyltoluene	13.52	119	273783	22.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134503	22.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136936	22.780	ug/l	100
89) n-Butylbenzene	13.85	91	232264	22.490	ug/l	99
90) Hexachloroethane	14.11	117	50338	22.357	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	116913	22.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7533	24.629	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81432	23.352	ug/l	98
94) Hexachlorobutadiene	15.27	225	53074	22.741	ug/l	98
95) Naphthalene	15.40	128	124380	23.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	69113	23.144	ug/l	99

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

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