

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067057.D
 Acq On : 03 Oct 2020 02:26
 Operator : VA/SY
 Sample : L4247-03MSD
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:39 PM

Quant Time: Oct 03 07:03:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	605466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	441624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	117483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198130	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.91	113	213682	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.34	98	650730	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.63	95	167225	34.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	164743	58.371	ug/l	96
3) Chloromethane	2.21	50	173278	61.180	ug/l	100
4) Vinyl Chloride	2.35	62	166868	58.758	ug/l	97
5) Bromomethane	2.77	94	121297	67.805	ug/l	96
6) Chloroethane	2.93	64	102029	58.993	ug/l	92
7) Trichlorofluoromethane	3.27	101	294422	46.663	ug/l	94
8) Diethyl Ether	3.71	74	101301	64.744	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	133595	37.460	ug/l	97
10) Methyl Iodide	4.30	142	218718	63.118	ug/l	98
11) Tert butyl alcohol	5.23	59	55144	280.631	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	175371	52.310	ug/l	99
13) Acrolein	3.93	56	30206	131.689	ug/l	97
14) Allyl chloride	4.71	41	266886	61.279	ug/l	97
15) Acrylonitrile	5.42	53	177071	307.489	ug/l	97
16) Acetone	4.16	43	165630	316.745	ug/l	99
17) Carbon Disulfide	4.41	76	522328	50.767	ug/l	97
18) Methyl Acetate	4.71	43	196076	149.191	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	395254	64.582	ug/l	99
20) Methylene Chloride	4.96	84	244003	68.439	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219614	57.560	ug/l	96
22) Diisopropyl ether	6.36	45	520232	65.428	ug/l	97
23) Vinyl Acetate	6.31	43	915503m	203.190	ug/l	
24) 1,1-Dichloroethane	6.27	63	366420	59.713	ug/l	99
25) 2-Butanone	7.21	43	217120	292.863	ug/l	96
26) 2,2-Dichloropropane	7.21	77	259037	49.310	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	241595	59.290	ug/l	97
28) Bromochloromethane	7.55	49	145380	61.348	ug/l	97
29) Tetrahydrofuran	7.56	42	131345	308.118	ug/l	97
30) Chloroform	7.71	83	382295	57.431	ug/l	99
31) Cyclohexane	7.98	56	133632	25.976	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	298904	48.452	ug/l	99
36) 1,1-Dichloropropene	8.11	75	223516	39.605	ug/l	98
37) Ethyl Acetate	7.30	43	77109	39.440	ug/l	98
38) Carbon Tetrachloride	8.09	117	233715	38.274	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	149137	24.995	ug/l	95
40) Benzene	8.35	78	788624	50.309	ug/l	100
41) Methacrylonitrile	7.52	41	61992	58.692	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	233112	53.219	ug/l	99
43) Isopropyl Acetate	8.45	43	159596	44.311	ug/l	95
44) Trichloroethene	9.11	130	202267	43.212	ug/l	99
45) 1,2-Dichloropropane	9.38	63	196160	53.259	ug/l	96
46) Dibromomethane	9.47	93	112473	53.131	ug/l	98
47) Bromodichloromethane	9.66	83	276107	50.176	ug/l	99
48) Methyl methacrylate	9.46	41	113619	61.575	ug/l	92
49) 1,4-Dioxane	9.46	88	25448	1151.831	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	506551	282.357	ug/l	100
52) Toluene	10.40	92	453898	44.951	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	242172	49.242	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	295958	49.282	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	202030	68.645	ug/l	98
56) Ethyl methacrylate	10.66	69	180355	59.355	ug/l	95
57) 1,3-Dichloropropane	10.94	76	243297	50.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	470883	278.427	ug/l	100
59) 2-Hexanone	10.98	43	386896	323.114	ug/l	91
60) Dibromochloromethane	11.14	129	184177	46.952	ug/l	96
61) 1,2-Dibromoethane	11.24	107	145906	51.602	ug/l	96
64) Tetrachloroethene	10.87	164	134478	41.885	ug/l	96
65) Chlorobenzene	11.67	112	416723	47.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	173362	51.888	ug/l	100
67) Ethyl Benzene	11.74	91	641495	42.626	ug/l	97
68) m/p-Xylenes	11.85	106	519155	88.518	ug/l	100
69) o-Xylene	12.18	106	306114	58.366	ug/l	96
70) Styrene	12.20	104	412362	45.787	ug/l	99
71) Bromoform	12.36	173	91545	52.785	ug/l #	99
73) Isopropylbenzene	12.48	105	410932	51.513	ug/l	100
74) N-amyl acetate	12.28	43	209318	145.963	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.73	83	123455	91.853	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	86684m	84.709	ug/l	
77) Bromobenzene	12.76	156	141869	73.652	ug/l	93
78) n-propylbenzene	12.82	91	393193	41.706	ug/l	100
79) 2-Chlorotoluene	12.91	91	375930	69.694	ug/l	86
80) 1,3,5-Trimethylbenzene	12.96	105	808634	119.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40393	98.410	ug/l	96
82) 4-Chlorotoluene	13.01	91	306559	53.417	ug/l	98
83) tert-Butylbenzene	13.23	119	217896	38.392	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	618301	91.925	ug/l	100
85) sec-Butylbenzene	13.40	105	269078	33.666	ug/l	97
86) p-Isopropyltoluene	13.52	119	311398	42.023	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	167236	44.573	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	176153	46.955	ug/l	94
89) n-Butylbenzene	13.85	91	161537	23.853	ug/l #	79
90) Hexachloroethane	14.13	117	73406	56.553	ug/l #	49
91) 1,2-Dichlorobenzene	13.89	146	155459	47.444	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21753	100.402	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	42908	20.245	ug/l #	42
94) Hexachlorobutadiene	15.28	225	12902	9.912	ug/l	96
95) Naphthalene	15.41	128	458925	129.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	39950	21.713	ug/l #	51

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

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