

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063879.D
 Acq On : 03 Oct 2019 16:54
 Operator : VA/SY
 Sample : MDL05
 Misc : 5.00u/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:30 PM

Quant Time: Oct 04 12:30:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	283333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	97559	59.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.60%	
35) Dibromofluoromethane	7.92	113	93262	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.34	98	390154	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.63	95	117085	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	3291	2.746	ug/l	96
3) Chloromethane	2.21	50	11709	3.190	ug/l #	83
4) Vinyl Chloride	2.35	62	11845	3.058	ug/l #	85
5) Bromomethane	2.78	94	7432	2.985	ug/l	87
6) Chloroethane	2.92	64	8318	3.247	ug/l	95
7) Trichlorofluoromethane	3.27	101	14505	2.832	ug/l	89
8) Diethyl Ether	3.71	74	2599	3.162	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4127m	2.911	ug/l	
10) Methyl Iodide	4.29	142	4523	2.316	ug/l #	95
11) Tert butyl alcohol	5.25	59	2429m	20.815	ug/l	
12) 1,1-Dichloroethene	4.07	96	3921	2.769	ug/l #	76
13) Acrolein	3.93	56	2748	18.701	ug/l #	60
14) Allyl chloride	4.73	41	6234	2.648	ug/l	88
15) Acrylonitrile	5.43	53	5393	14.882	ug/l #	82
16) Acetone	4.17	43	9125	21.303	ug/l #	86
17) Carbon Disulfide	4.40	76	14539	2.824	ug/l #	90
18) Methyl Acetate	4.74	43	3247m	3.876	ug/l	
19) Methyl tert-butyl Ether	5.50	73	10499	2.863	ug/l	97
20) Methylene Chloride	4.97	84	12345	5.616	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	4912	2.786	ug/l #	79
22) Diisopropyl ether	6.37	45	15015	3.122	ug/l #	79
23) Vinyl Acetate	6.32	43	40261m	14.074	ug/l	
24) 1,1-Dichloroethane	6.26	63	8870	2.995	ug/l #	90
25) 2-Butanone	7.23	43	8987	17.704	ug/l	91
26) 2,2-Dichloropropane	7.20	77	8976	3.350	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	5927	2.970	ug/l	92
28) Bromochloromethane	7.56	49	3769	3.396	ug/l #	11
29) Tetrahydrofuran	7.57	42	4324m	14.594	ug/l	
30) Chloroform	7.72	83	10107	3.142	ug/l #	75
31) Cyclohexane	7.98	56	11271	4.058	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	8303	3.009	ug/l	90
36) 1,1-Dichloropropene	8.11	75	7532	2.907	ug/l	98
37) Ethyl Acetate	7.31	43	4850	4.125	ug/l #	89
38) Carbon Tetrachloride	8.09	117	6605	2.523	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8869	2.784	ug/l	87
40) Benzene	8.36	78	20706	2.789	ug/l	92
41) Methacrylonitrile	7.53	41	1979	3.295	ug/l #	85
42) 1,2-Dichloroethane	8.44	62	6647	3.095	ug/l	99
43) Isopropyl Acetate	8.46	43	6322	2.910	ug/l #	93
44) Trichloroethene	9.11	130	6307	2.946	ug/l	93
45) 1,2-Dichloropropane	9.40	63	5018	2.762	ug/l #	65
46) Dibromomethane	9.48	93	2873	2.776	ug/l	89
47) Bromodichloromethane	9.66	83	7071	2.654	ug/l	97
48) Methyl methacrylate	9.46	41	2683	2.577	ug/l #	82
49) 1,4-Dioxane	9.47	88	722	51.112	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	15574	13.822	ug/l	93
52) Toluene	10.40	92	13937	2.735	ug/l	91
53) t-1,3-Dichloropropene	10.62	75	6246	2.402	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	8128	2.716	ug/l #	67
55) 1,1,2-Trichloroethane	10.81	97	4701	3.217	ug/l #	77
56) Ethyl methacrylate	10.66	69	4815	2.602	ug/l #	82
57) 1,3-Dichloropropane	10.95	76	6608	2.643	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.94	63	9965	12.529	ug/l	98
59) 2-Hexanone	10.98	43	9959	12.219	ug/l	98
60) Dibromochloromethane	11.14	129	4875	2.563	ug/l	95
61) 1,2-Dibromoethane	11.24	107	3907	2.758	ug/l	97
64) Tetrachloroethene	10.87	164	4919	2.701	ug/l #	76
65) Chlorobenzene	11.67	112	14413	2.691	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	4910	2.488	ug/l	98
67) Ethyl Benzene	11.74	91	24917	2.580	ug/l #	85
68) m/p-Xylenes	11.86	106	18249	4.895	ug/l	91
69) o-Xylene	12.18	106	9099	2.549	ug/l	94
70) Styrene	12.20	104	14760	2.442	ug/l	97
71) Bromoform	12.37	173	2835	2.676	ug/l #	84
73) Isopropylbenzene	12.48	105	22756	2.601	ug/l	99
74) N-amyl acetate	12.28	43	5542	2.942	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	4978	3.270	ug/l	84
76) 1,2,3-Trichloropropane	12.79	75	2498m	2.866	ug/l	
77) Bromobenzene	12.76	156	5787	2.655	ug/l	81
78) n-propylbenzene	12.82	91	28415	2.767	ug/l	98
79) 2-Chlorotoluene	12.90	91	15540	2.744	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	17484	2.395	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.53	75	1184m	2.404	ug/l	
82) 4-Chlorotoluene	13.00	91	16017	2.666	ug/l	99
83) tert-Butylbenzene	13.23	119	16516	2.543	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	20298	2.698	ug/l	96
85) sec-Butylbenzene	13.40	105	22844	2.604	ug/l	98
86) p-Isopropyltoluene	13.51	119	19945	2.403	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	12596	2.925	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	11710	2.756	ug/l	86
89) n-Butylbenzene	13.84	91	22031	2.851	ug/l	98
90) Hexachloroethane	14.11	117	3917	2.624	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	10092	2.719	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.50	75	676	2.567	ug/l #	24

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7821	2.731	ug/l	95
94) Hexachlorobutadiene	15.27	225	3671	2.323	ug/l	68
95) Naphthalene	15.40	128	12331	2.562	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.59	180	6832	2.765	ug/l	92

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

