

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063897.D
 Acq On : 07 Oct 2019 13:39
 Operator : VA/SY
 Sample : K5111-03 2.5PPB MDL
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:10 PM

Quant Time: Oct 08 17:35:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	174120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	274926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	93779	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
35) Dibromofluoromethane	7.92	113	90550	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.34	98	377618	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.63	95	121869	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	3633	2.942	ug/l #	33
3) Chloromethane	2.21	50	11129	2.943	ug/l	97
4) Vinyl Chloride	2.34	62	11893	2.980	ug/l	99
5) Bromomethane	2.77	94	8514	3.318	ug/l	88
6) Chloroethane	2.93	64	7739	2.932	ug/l	94
7) Trichlorofluoromethane	3.27	101	13902	2.635	ug/l	84
8) Diethyl Ether	3.70	74	3022m	3.568	ug/l	
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4007	2.743	ug/l	95
10) Methyl Iodide	4.29	142	4573	2.272	ug/l #	48
11) Tert butyl alcohol	5.24	59	333	2.769	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	4603	3.154	ug/l #	60
13) Acrolein	3.93	56	2264	14.953	ug/l	92
14) Allyl chloride	4.71	41	7305	3.011	ug/l #	82
15) Acrylonitrile	5.43	53	5154	13.803	ug/l #	66
16) Acetone	4.17	43	7713	17.476	ug/l	91
17) Carbon Disulfide	4.39	76	13124	2.474	ug/l	98
18) Methyl Acetate	4.73	43	2886	3.343	ug/l #	62
19) Methyl tert-butyl Ether	5.48	73	10533	2.787	ug/l	93
20) Methylene Chloride	4.97	84	12477	5.508	ug/l	88
21) trans-1,2-Dichloroethene	5.48	96	4960	2.730	ug/l #	61
22) Diisopropyl ether	6.36	45	13091	2.642	ug/l #	85
23) Vinyl Acetate	6.31	43	37622	12.764	ug/l #	89
24) 1,1-Dichloroethane	6.26	63	8791	2.880	ug/l #	87
25) 2-Butanone	7.22	43	8331	15.928	ug/l	93
26) 2,2-Dichloropropane	7.21	77	9348	3.386	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	5366	2.610	ug/l	83
28) Bromochloromethane	7.55	49	3791	3.315	ug/l #	99
29) Tetrahydrofuran	7.58	42	4344	14.229	ug/l #	78
30) Chloroform	7.71	83	9295	2.804	ug/l	93
31) Cyclohexane	7.98	56	10971	3.834	ug/l #	55
32) 1,1,1-Trichloroethane	7.90	97	6928	2.436	ug/l #	85
36) 1,1-Dichloropropene	8.11	75	7297	2.842	ug/l	96
37) Ethyl Acetate	7.30	43	3695	3.172	ug/l #	87
38) Carbon Tetrachloride	8.08	117	6469	2.494	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	8199	2.598	ug/l	97
40) Benzene	8.34	78	19741	2.683	ug/l #	89
41) Methacrylonitrile	7.52	41	1335	2.243	ug/l #	50
42) 1,2-Dichloroethane	8.43	62	5683	2.671	ug/l	100
43) Isopropyl Acetate	8.46	43	7018	3.260	ug/l #	82
44) Trichloroethene	9.11	130	6031	2.843	ug/l	77
45) 1,2-Dichloropropane	9.38	63	4647	2.581	ug/l #	79
46) Dibromomethane	9.48	93	3044	2.968	ug/l	94
47) Bromodichloromethane	9.67	83	6804	2.577	ug/l #	91
48) Methyl methacrylate	9.46	41	3511	3.404	ug/l	90
49) 1,4-Dioxane	9.47	88	874	62.438	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	16417	14.704	ug/l	97
52) Toluene	10.41	92	12889	2.552	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	5845	2.269	ug/l #	89
54) cis-1,3-Dichloropropene	10.08	75	6954	2.345	ug/l #	86
55) 1,1,2-Trichloroethane	10.81	97	3743	2.585	ug/l	85
56) Ethyl methacrylate	10.66	69	3956	2.157	ug/l #	79
57) 1,3-Dichloropropane	10.94	76	6104	2.464	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	9606	12.188	ug/l	96
59) 2-Hexanone	10.99	43	10500	13.000	ug/l	99
60) Dibromochloromethane	11.14	129	4628	2.455	ug/l	89
61) 1,2-Dibromoethane	11.25	107	4223	3.008	ug/l	85
64) Tetrachloroethene	10.88	164	5656	3.014	ug/l #	81
65) Chlorobenzene	11.67	112	15624	2.830	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	4541	2.232	ug/l	86
67) Ethyl Benzene	11.74	91	24617	2.473	ug/l	98
68) m/p-Xylenes	11.86	106	18366	4.779	ug/l	93
69) o-Xylene	12.18	106	8545	2.322	ug/l	95
70) Styrene	12.19	104	13656	2.192	ug/l	93
71) Bromoform	12.36	173	2712	2.484	ug/l #	88
73) Isopropylbenzene	12.48	105	22724	2.485	ug/l	93
74) N-amyl acetate	12.29	43	5520	2.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	4663	2.930	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	1529m	1.678	ug/l	
77) Bromobenzene	12.77	156	5638	2.475	ug/l	94
78) n-propylbenzene	12.81	91	27356	2.548	ug/l	97
79) 2-Chlorotoluene	12.91	91	14853	2.509	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	19246	2.523	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	1740m	3.379	ug/l	
82) 4-Chlorotoluene	13.01	91	16143	2.571	ug/l	96
83) tert-Butylbenzene	13.22	119	15170	2.234	ug/l	83
84) 1,2,4-Trimethylbenzene	13.27	105	18759	2.385	ug/l	98
85) sec-Butylbenzene	13.40	105	23445	2.557	ug/l	95
86) p-Isopropyltoluene	13.51	119	19261	2.220	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	10687	2.374	ug/l	88
88) 1,4-Dichlorobenzene	13.60	146	12666	2.852	ug/l	93
89) n-Butylbenzene	13.84	91	19963	2.472	ug/l	97
90) Hexachloroethane	14.10	117	4542	2.910	ug/l	77
91) 1,2-Dichlorobenzene	13.89	146	9904	2.553	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1023	3.716	ug/l #	31

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7437	2.484	ug/l	89
94) Hexachlorobutadiene	15.27	225	3852	2.332	ug/l	90
95) Naphthalene	15.40	128	12414	2.467	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.60	180	6216	2.407	ug/l	86

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

