

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063838.D
 Acq On : 26 Sep 2019 15:30
 Operator : VA/SY
 Sample : MDL01
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL01

Quant Time: Sep 27 18:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	206225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	337421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	322402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	163340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	115180	59.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.64%	
35) Dibromofluoromethane	7.94	113	113499	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.36	98	452797	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
62) 4-Bromofluorobenzene	12.65	95	144222	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	4444	3.142	ug/l	81
3) Chloromethane	2.22	50	17778	4.148	ug/l	93
4) Vinyl Chloride	2.36	62	16284	3.723	ug/l	96
5) Bromomethane	2.79	94	10557	4.125	ug/l	88
6) Chloroethane	2.94	64	10639	3.532	ug/l	92
7) Trichlorofluoromethane	3.29	101	23394	3.978	ug/l	94
8) Diethyl Ether	3.73	74	3924	4.092	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.11	101	6606	3.787	ug/l #	73
10) Methyl Iodide	4.31	142	7701	3.697	ug/l #	48
11) Tert butyl alcohol	5.27	59	1313	8.666	ug/l #	72
12) 1,1-Dichloroethene	4.09	96	6770	3.844	ug/l	90
13) Acrolein	3.96	56	3133	17.007	ug/l #	73
14) Allyl chloride	4.73	41	10206	3.667	ug/l #	59
15) Acrylonitrile	5.46	53	7881	18.604	ug/l	97
16) Acetone	4.20	43	9183	21.068	ug/l	95
17) Carbon Disulfide	4.42	76	21235	3.567	ug/l #	90
18) Methyl Acetate	4.76	43	4692	4.372	ug/l #	75
19) Methyl tert-butyl Ether	5.51	73	15791	3.582	ug/l	95
20) Methylene Chloride	4.99	84	15134	5.771	ug/l #	94
21) trans-1,2-Dichloroethene	5.51	96	7801	3.806	ug/l	84
22) Diisopropyl ether	6.39	45	21830	3.797	ug/l #	93
23) Vinyl Acetate	6.34	43	50787	14.936	ug/l	96
24) 1,1-Dichloroethane	6.28	63	12624	3.614	ug/l #	92
25) 2-Butanone	7.25	43	11117	19.509	ug/l	96
26) 2,2-Dichloropropane	7.23	77	11939	3.655	ug/l #	76
27) cis-1,2-Dichloroethene	7.24	96	8641	3.757	ug/l	97
28) Bromochloromethane	7.57	49	5364	3.914	ug/l #	100
29) Tetrahydrofuran	7.61	42	7318	21.433	ug/l	95
30) Chloroform	7.74	83	14710	3.877	ug/l #	76
31) Cyclohexane	8.01	56	15092	4.329	ug/l #	63
32) 1,1,1-Trichloroethane	7.93	97	11366	3.313	ug/l	98
36) 1,1-Dichloropropene	8.13	75	11400	3.704	ug/l	98
37) Ethyl Acetate	7.33	43	5562	4.327	ug/l #	89
38) Carbon Tetrachloride	8.12	117	9353	2.920	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.37	83	13577	3.543	ug/l #	91
40) Benzene	8.37	78	29822	3.518	ug/l	97
41) Methacrylonitrile	7.56	41	3626	4.776	ug/l #	89
42) 1,2-Dichloroethane	8.45	62	8863	3.576	ug/l	93
43) Isopropyl Acetate	8.48	43	9699	3.764	ug/l #	91
44) Trichloroethene	9.13	130	9093	3.704	ug/l	89
45) 1,2-Dichloropropane	9.40	63	7808	3.729	ug/l #	77
46) Dibromomethane	9.50	93	4625	3.914	ug/l	94
47) Bromodichloromethane	9.68	83	10537	3.459	ug/l	99
48) Methyl methacrylate	9.47	41	5163	4.405	ug/l #	49
49) 1,4-Dioxane	9.48	88	985	59.746	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	24787	19.094	ug/l	97
52) Toluene	10.42	92	19904	3.463	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	10260	3.398	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	10887	3.176	ug/l #	87
55) 1,1,2-Trichloroethane	10.81	97	6021	3.606	ug/l	92
56) Ethyl methacrylate	10.68	69	7400	3.487	ug/l	93
57) 1,3-Dichloropropane	10.96	76	10132	3.571	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.96	63	15278	16.105	ug/l	99
59) 2-Hexanone	11.00	43	14698	15.868	ug/l	99
60) Dibromochloromethane	11.16	129	7808	3.543	ug/l	89
61) 1,2-Dibromoethane	11.27	107	5369	3.216	ug/l	100
64) Tetrachloroethene	10.90	164	8193	3.773	ug/l #	71
65) Chlorobenzene	11.68	112	21799	3.361	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.76	131	8235	3.455	ug/l	94
67) Ethyl Benzene	11.76	91	39472	3.369	ug/l	89
68) m/p-Xylenes	11.87	106	29349	6.524	ug/l	99
69) o-Xylene	12.20	106	14108	3.323	ug/l	99
70) Styrene	12.21	104	22569	3.141	ug/l	97
71) Bromoform	12.37	173	3649	2.756	ug/l #	76
73) Isopropylbenzene	12.50	105	36708	3.290	ug/l	100
74) N-amyl acetate	12.31	43	8454	3.462	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	7225	3.885	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	6014m	4.856	ug/l	
77) Bromobenzene	12.78	156	9508	3.546	ug/l	95
78) n-propylbenzene	12.83	91	44552	3.394	ug/l	97
79) 2-Chlorotoluene	12.93	91	25236	3.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	32211	3.463	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.55	75	2058m	3.319	ug/l	
82) 4-Chlorotoluene	13.02	91	27172	3.598	ug/l	96
83) tert-Butylbenzene	13.24	119	26507	3.262	ug/l	92
84) 1,2,4-Trimethylbenzene	13.28	105	31031	3.286	ug/l	96
85) sec-Butylbenzene	13.42	105	38376	3.394	ug/l	96
86) p-Isopropyltoluene	13.53	119	35078	3.303	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	18184	3.454	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	18649	3.562	ug/l	95
89) n-Butylbenzene	13.86	91	34962	3.459	ug/l	96
90) Hexachloroethane	14.12	117	5873	2.986	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	16200	3.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1184m	3.773	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	12276	3.580	ug/l	99
94) Hexachlorobutadiene	15.28	225	6589	3.391	ug/l	96
95) Naphthalene	15.41	128	19479	3.163	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.61	180	10582	3.481	ug/l	96

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

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