

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067266.D
 Acq On : 14 Oct 2020 12:59
 Operator : VA/SY
 Sample : L4214-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:50 PM

Quant Time: Oct 15 07:56:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 07:51:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	317284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	502742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	469575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	172958	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.92	113	176680	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	630716	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.64	95	223075	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	12749	4.430	ug/l	99
3) Chloromethane	2.21	50	9562	4.789	ug/l	99
4) Vinyl Chloride	2.34	62	10096	4.608	ug/l	97
5) Bromomethane	2.77	94	9124	5.387	ug/l #	78
6) Chloroethane	2.93	64	6421	4.706	ug/l	94
7) Trichlorofluoromethane	3.27	101	24639	4.466	ug/l	90
8) Diethyl Ether	3.71	74	5926	4.694	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	13512	4.610	ug/l #	92
10) Methyl Iodide	4.30	142	11163	4.129	ug/l	99
11) Tert butyl alcohol	5.22	59	8503m	36.833	ug/l	
12) 1,1-Dichloroethene	4.07	96	12225	4.669	ug/l #	78
13) Acrolein	3.92	56	2952	17.947	ug/l #	76
14) Allyl chloride	4.71	41	12451	4.152	ug/l	91
15) Acrylonitrile	5.43	53	9887	23.471	ug/l #	86
16) Acetone	4.16	43	11170	25.091	ug/l #	84
17) Carbon Disulfide	4.41	76	34523	4.625	ug/l	97
18) Methyl Acetate	4.72	43	6108	6.015	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	22517	4.324	ug/l #	91
20) Methylene Chloride	4.96	84	21196	6.314	ug/l #	91
21) trans-1,2-Dichloroethene	5.47	96	14143	4.693	ug/l	94
22) Diisopropyl ether	6.36	45	23422	4.276	ug/l	96
23) Vinyl Acetate	6.31	43	52938	16.986	ug/l	95
24) 1,1-Dichloroethane	6.27	63	21240	4.529	ug/l	93
25) 2-Butanone	7.22	43	12182	24.006	ug/l	96
26) 2,2-Dichloropropane	7.21	77	22273	4.608	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	15383	4.658	ug/l	98
28) Bromochloromethane	7.55	49	7768	4.857	ug/l #	97
29) Tetrahydrofuran	7.57	42	6828	24.205	ug/l	96
30) Chloroform	7.71	83	26184	4.674	ug/l	95
31) Cyclohexane	7.98	56	19687	5.377	ug/l #	76
32) 1,1,1-Trichloroethane	7.91	97	25434	4.627	ug/l	96
36) 1,1-Dichloropropene	8.11	75	19511	4.579	ug/l	96
37) Ethyl Acetate	7.30	43	5642	4.500	ug/l	94
38) Carbon Tetrachloride	8.10	117	22636	4.156	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	17742	3.983	ug/l	90
40) Benzene	8.36	78	52221	4.467	ug/l	96
41) Methacrylonitrile	7.54	41	3545m	5.233	ug/l	
42) 1,2-Dichloroethane	8.43	62	16066	4.392	ug/l	95
43) Isopropyl Acetate	8.46	43	10830	4.354	ug/l	99
44) Trichloroethene	9.11	130	16136	4.311	ug/l	89
45) 1,2-Dichloropropane	9.38	63	11316	4.177	ug/l #	84
46) Dibromomethane	9.48	93	7483	4.433	ug/l	95
47) Bromodichloromethane	9.67	83	20097	4.444	ug/l	97
48) Methyl methacrylate	9.46	41	5449	4.507	ug/l	87
49) 1,4-Dioxane	9.46	88	1444	81.276	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	24287	19.574	ug/l	94
52) Toluene	10.41	92	35933	4.513	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	17031	4.287	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	18528	3.985	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	10342	4.493	ug/l #	86
56) Ethyl methacrylate	10.67	69	9975	4.179	ug/l	96
57) 1,3-Dichloropropane	10.95	76	16688	4.556	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	23231	18.970	ug/l	98
59) 2-Hexanone	10.99	43	17189	20.274	ug/l	96
60) Dibromochloromethane	11.14	129	15464	4.607	ug/l	99
61) 1,2-Dibromoethane	11.25	107	9932	4.377	ug/l	94
64) Tetrachloroethene	10.88	164	15704	4.616	ug/l #	91
65) Chlorobenzene	11.67	112	40149	4.459	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	16040	4.482	ug/l	98
67) Ethyl Benzene	11.75	91	63486	4.113	ug/l	95
68) m/p-Xylenes	11.86	106	48116	8.095	ug/l	96
69) o-Xylene	12.18	106	19782	3.594	ug/l	90
70) Styrene	12.20	104	36618	3.865	ug/l	97
71) Bromoform	12.36	173	8882	4.620	ug/l #	100
73) Isopropylbenzene	12.48	105	56754	3.723	ug/l	96
74) N-amyl acetate	12.29	43	9086	3.947	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	11080	4.744	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	7887m	4.738	ug/l	
77) Bromobenzene	12.77	156	17251	4.540	ug/l	99
78) n-propylbenzene	12.83	91	70506	3.992	ug/l	98
79) 2-Chlorotoluene	12.91	91	44271	4.323	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	51599	3.896	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	3466	4.722	ug/l #	74
82) 4-Chlorotoluene	13.01	91	44853	4.126	ug/l	96
83) tert-Butylbenzene	13.23	119	42306	3.781	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	50577	3.863	ug/l	98
85) sec-Butylbenzene	13.41	105	59763	3.893	ug/l	96
86) p-Isopropyltoluene	13.52	119	55447	3.826	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	30254	4.136	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	33637	4.642	ug/l	94
89) n-Butylbenzene	13.85	91	49691	3.898	ug/l	99
90) Hexachloroethane	14.12	117	10092	3.991	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	26925	4.214	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1992	4.695	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18224	4.230	ug/l	95
94) Hexachlorobutadiene	15.27	225	11266	4.211	ug/l	92
95) Naphthalene	15.41	128	26848	3.796	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	14487	3.892	ug/l	98

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

