

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075678.D
 Acq On : 14 Apr 2023 14:27
 Operator : KP/SY
 Sample : 02213-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: Apr 17 02:01:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	186486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	334778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	144729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95300	53.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.680%			
35) Dibromofluoromethane	7.805	113	114255	50.741	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.480%			
50) Toluene-d8	10.269	98	445295	49.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.575	95	117135	48.873	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	7096	4.095	ug/l	95
3) Chloromethane	2.146	50	14128	4.515	ug/l	96
4) Vinyl Chloride	2.281	62	17366	4.183	ug/l	93
5) Bromomethane	2.687	94	15539	4.793	ug/l	100
6) Chloroethane	2.834	64	12284	4.394	ug/l	95
7) Trichlorofluoromethane	3.170	101	13816	4.295	ug/l	93
8) Diethyl Ether	3.587	74	3973	3.968	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.969	101	8733	4.329	ug/l #	81
10) Methyl Iodide	4.164	142	9919	3.593	ug/l	90
11) Tert butyl alcohol	5.052	59	2378	26.768	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	8990	4.304	ug/l	83
13) Acrolein	3.805	56	3596	20.068	ug/l	99
14) Allyl chloride	4.558	41	7993	4.202	ug/l #	78
15) Acrylonitrile	5.258	53	7637	20.422	ug/l	93
16) Acetone	4.022	43	6904	21.290	ug/l #	74
17) Carbon Disulfide	4.269	76	29350	4.294	ug/l	99
18) Methyl Acetate	4.564	43	5737	5.246	ug/l	97
19) Methyl tert-butyl Ether	5.328	73	15652	3.861	ug/l	96
20) Methylene Chloride	4.787	84	20875	6.994	ug/l #	71
21) trans-1,2-Dichloroethene	5.311	96	9723	3.908	ug/l	84
22) Diisopropyl ether	6.211	45	16550	3.850	ug/l #	82
23) Vinyl Acetate	6.152	43	37962m	19.014	ug/l	
24) 1,1-Dichloroethane	6.105	63	16271	4.568	ug/l	93
25) 2-Butanone	7.075	43	9222	22.087	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	13806	4.275	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	11338	4.114	ug/l	83
28) Bromochloromethane	7.428	49	5007	4.447	ug/l #	50
29) Tetrahydrofuran	7.440	42	4858	21.276	ug/l #	70
30) Chloroform	7.593	83	17002	4.211	ug/l	93
31) Cyclohexane	7.881	56	13474	4.851	ug/l #	68
32) 1,1,1-Trichloroethane	7.793	97	14155	4.299	ug/l	97
36) 1,1-Dichloropropene	8.005	75	12188	3.923	ug/l	92
37) Ethyl Acetate	7.169	43	3747	3.964	ug/l #	90
38) Carbon Tetrachloride	7.987	117	10721	3.919	ug/l	98
39) Methylcyclohexane	9.269	83	12536	3.490	ug/l #	90
40) Benzene	8.246	78	38781	4.016	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1943m	4.283	ug/l	
42) 1,2-Dichloroethane	8.322	62	10225	4.662	ug/l	90
43) Isopropyl Acetate	8.357	43	6995	4.058	ug/l #	91
44) Trichloroethene	9.022	130	11596	4.243	ug/l	86
45) 1,2-Dichloropropane	9.304	63	8725	4.032	ug/l	95
46) Dibromomethane	9.399	93	5277	3.844	ug/l #	88
47) Bromodichloromethane	9.581	83	12520	3.987	ug/l #	94
48) Methyl methacrylate	9.375	41	2745	3.574	ug/l #	54
49) 1,4-Dioxane	9.381	88	1188	87.218	ug/l #	53
51) 4-Methyl-2-Pentanone	10.157	43	16986	18.481	ug/l #	86
52) Toluene	10.334	92	25365	3.950	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	11055	3.672	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	13319	3.724	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	7557	3.802	ug/l #	84
56) Ethyl methacrylate	10.599	69	6804	3.478	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	12031	3.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	18961	22.569	ug/l #	88
59) 2-Hexanone	10.922	43	10905	16.874	ug/l	77
60) Dibromochloromethane	11.075	129	8457	3.636	ug/l	94
61) 1,2-Dibromoethane	11.181	107	6803	3.588	ug/l	92
64) Tetrachloroethene	10.810	164	8692	3.822	ug/l	91
65) Chlorobenzene	11.604	112	27433	4.056	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.681	131	8651	3.721	ug/l	87
67) Ethyl Benzene	11.687	91	39956	3.640	ug/l	99
68) m/p-Xylenes	11.793	106	31093	6.912	ug/l	95
69) o-Xylene	12.122	106	14420	3.545	ug/l	94
70) Styrene	12.134	104	23902	3.451	ug/l	95
71) Bromoform	12.298	173	4965	4.085	ug/l #	97
73) Isopropylbenzene	12.422	105	34169	3.597	ug/l	92
74) N-amyl acetate	12.234	43	5458	3.910	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	8515	4.615	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	4641m	3.932	ug/l	
77) Bromobenzene	12.698	156	9654	3.942	ug/l	96
78) n-propylbenzene	12.763	91	46851	4.024	ug/l	99
79) 2-Chlorotoluene	12.851	91	26114	3.954	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	29226	3.691	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	2243	4.119	ug/l #	67
82) 4-Chlorotoluene	12.945	91	25805	3.758	ug/l	94
83) tert-Butylbenzene	13.169	119	24013	3.597	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	27260	3.431	ug/l	96
85) sec-Butylbenzene	13.345	105	38506	3.738	ug/l	98
86) p-Isopropyltoluene	13.463	119	29210	3.406	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	20330	3.991	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	20785	4.130	ug/l	95
89) n-Butylbenzene	13.787	91	28832	3.650	ug/l	97
90) Hexachloroethane	14.051	117	7402	4.345	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	17825	4.085	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1001	4.047	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	8957	3.528	ug/l	98
94) Hexachlorobutadiene	15.204	225	4559	3.757	ug/l	90
95) Naphthalene	15.334	128	16943	3.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	8237	3.686	ug/l	96

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

