

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076772.D
 Acq On : 18 Jul 2023 12:27
 Operator : KP/SY
 Sample : 03572-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 19 08:17:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 19 08:14:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	165956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	303571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78873	47.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.440%		
35) Dibromofluoromethane	7.804	113	95479	50.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.100%		
50) Toluene-d8	10.269	98	313521	45.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.575	95	100983	45.741	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	8387	6.463	ug/l	97
3) Chloromethane	2.146	50	11945	5.336	ug/l	# 87
4) Vinyl Chloride	2.275	62	17641	5.911	ug/l	96
5) Bromomethane	2.687	94	14690	5.983	ug/l	95
6) Chloroethane	2.834	64	12693	5.634	ug/l	94
7) Trichlorofluoromethane	3.169	101	15717	5.919	ug/l	88
8) Diethyl Ether	3.593	74	4483	4.904	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.963	101	10950	6.273	ug/l	# 85
10) Methyl Iodide	4.158	142	9185	4.668	ug/l	# 81
11) Tert butyl alcohol	5.058	59	4528	36.709	ug/l	# 78
12) 1,1-Dichloroethene	3.934	96	8826	5.382	ug/l	# 84
13) Acrolein	3.793	56	2752	32.740	ug/l	# 42
14) Allyl chloride	4.552	41	11148	5.175	ug/l	# 73
15) Acrylonitrile	5.252	53	11468	25.540	ug/l	# 91
16) Acetone	4.022	43	11324	28.685	ug/l	# 77
17) Carbon Disulfide	4.269	76	20692	5.402	ug/l	100
18) Methyl Acetate	4.552	43	8093	5.457	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	22572	5.133	ug/l	99
20) Methylene Chloride	4.799	84	40329	12.352	ug/l	90
21) trans-1,2-Dichloroethene	5.299	96	9742	5.111	ug/l	# 80
22) Diisopropyl ether	6.216	45	26185	5.133	ug/l	# 91
23) Vinyl Acetate	6.152	43	48830	19.346	ug/l	# 90
24) 1,1-Dichloroethane	6.110	63	19048	5.538	ug/l	94
25) 2-Butanone	7.081	43	15177	28.726	ug/l	97
26) 2,2-Dichloropropane	7.069	77	18761	6.328	ug/l	92
27) cis-1,2-Dichloroethene	7.069	96	12591	5.358	ug/l	83
28) Bromochloromethane	7.422	49	4921	5.723	ug/l	# 92
29) Tetrahydrofuran	7.446	42	8406	26.929	ug/l	90
30) Chloroform	7.593	83	21344	5.666	ug/l	97
31) Cyclohexane	7.875	56	16026	6.588	ug/l	# 84
32) 1,1,1-Trichloroethane	7.787	97	17450	5.741	ug/l	93
36) 1,1-Dichloropropene	8.010	75	13912	5.581	ug/l	97
37) Ethyl Acetate	7.163	43	7084	6.354	ug/l	# 89
38) Carbon Tetrachloride	7.987	117	12686	5.315	ug/l	91
39) Methylcyclohexane	9.275	83	14793	5.139	ug/l	96
40) Benzene	8.246	78	41824	5.317	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	3224m	4.736	ug/l	
42) 1,2-Dichloroethane	8.322	62	10932	5.349	ug/l	97
43) Isopropyl Acetate	8.363	43	11647	5.353	ug/l #	77
44) Trichloroethene	9.022	130	12070	5.631	ug/l	94
45) 1,2-Dichloropropane	9.298	63	11231	5.532	ug/l	91
46) Dibromomethane	9.387	93	6473	5.447	ug/l	91
47) Bromodichloromethane	9.581	83	16544	5.547	ug/l #	98
48) Methyl methacrylate	9.375	41	5261	5.313	ug/l #	74
49) 1,4-Dioxane	9.381	88	827	54.314	ug/l #	28
51) 4-Methyl-2-Pentanone	10.157	43	30334	26.186	ug/l	91
52) Toluene	10.334	92	27492	5.322	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	14152	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	17223	5.279	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	9589	5.525	ug/l #	94
56) Ethyl methacrylate	10.598	69	9022	4.504	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	15305	5.415	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	19273	24.858	ug/l	99
59) 2-Hexanone	10.922	43	20996	25.402	ug/l	87
60) Dibromochloromethane	11.069	129	11278	5.594	ug/l	93
61) 1,2-Dibromoethane	11.175	107	8027	4.989	ug/l	91
64) Tetrachloroethene	10.804	164	8962	5.730	ug/l	92
65) Chlorobenzene	11.604	112	30074	5.452	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.675	131	11339	5.521	ug/l	96
67) Ethyl Benzene	11.681	91	50331	5.195	ug/l	95
68) m/p-Xylenes	11.792	106	38088	10.236	ug/l	93
69) o-Xylene	12.122	106	18148	5.044	ug/l	93
70) Styrene	12.134	104	29772	4.727	ug/l	94
71) Bromoform	12.298	173	6754	6.004	ug/l #	88
73) Isopropylbenzene	12.422	105	47522	5.195	ug/l	97
74) N-amyl acetate	12.234	43	9769	5.070	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	11199	5.702	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	7055m	5.884	ug/l	
77) Bromobenzene	12.698	156	11368	5.384	ug/l	80
78) n-propylbenzene	12.763	91	58768	5.300	ug/l	94
79) 2-Chlorotoluene	12.845	91	32044	5.270	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	38000	5.138	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.463	75	2693	4.780	ug/l	93
82) 4-Chlorotoluene	12.945	91	33628	5.294	ug/l	91
83) tert-Butylbenzene	13.163	119	35382	5.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	36563	4.838	ug/l	98
85) sec-Butylbenzene	13.345	105	51999	5.226	ug/l	94
86) p-Isopropyltoluene	13.457	119	39836	4.848	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	22440	5.167	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	23957	5.631	ug/l	96
89) n-Butylbenzene	13.786	91	41302	5.137	ug/l	97
90) Hexachloroethane	14.051	117	9521	6.268	ug/l	79
91) 1,2-Dichlorobenzene	13.834	146	20341	5.316	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1604	5.728	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	12131	5.193	ug/l	98
94) Hexachlorobutadiene	15.204	225	6211	5.528	ug/l	95
95) Naphthalene	15.328	128	24206	4.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11676	5.570	ug/l	97

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

