

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076796.D
 Acq On : 19 Jul 2023 17:46
 Operator : KP/SY
 Sample : 03572-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 20 06:09:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 20 06:07:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	150832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	278115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	260643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116447	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73817	49.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.260%
35) Dibromofluoromethane	7.805	113	85692	49.031	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.269	98	280823	44.916	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.840%
62) 4-Bromofluorobenzene	12.575	95	93952	46.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.900%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	6317	5.356	ug/l	83
3) Chloromethane	2.146	50	10383	5.103	ug/l	95
4) Vinyl Chloride	2.275	62	13285	4.898	ug/l	97
5) Bromomethane	2.681	94	11184	5.012	ug/l	94
6) Chloroethane	2.828	64	9804	4.788	ug/l	99
7) Trichlorofluoromethane	3.164	101	11718	4.855	ug/l	94
8) Diethyl Ether	3.581	74	3735	4.495	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.958	101	8267	5.211	ug/l	94
10) Methyl Iodide	4.152	142	6987	3.907	ug/l #	82
11) Tert butyl alcohol	5.052	59	2775m	24.753	ug/l	
12) 1,1-Dichloroethene	3.934	96	6642	4.456	ug/l	95
13) Acrolein	3.793	56	2235	29.255	ug/l	89
14) Allyl chloride	4.558	41	9066	4.630	ug/l #	86
15) Acrylonitrile	5.258	53	9110	22.323	ug/l	95
16) Acetone	4.034	43	7742	21.578	ug/l #	77
17) Carbon Disulfide	4.269	76	14809	4.254	ug/l #	88
18) Methyl Acetate	4.569	43	6421	4.763	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	16356	4.092	ug/l	92
20) Methylene Chloride	4.799	84	16861	5.682	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	7567	4.368	ug/l #	84
22) Diisopropyl ether	6.216	45	19724	4.254	ug/l #	90
23) Vinyl Acetate	6.158	43	45278m	19.737	ug/l	
24) 1,1-Dichloroethane	6.111	63	14763	4.723	ug/l	95
25) 2-Butanone	7.087	43	10343	21.540	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	13211	4.903	ug/l	79
27) cis-1,2-Dichloroethene	7.087	96	9411	4.406	ug/l	88
28) Bromochloromethane	7.422	49	4442	5.684	ug/l #	49
29) Tetrahydrofuran	7.452	42	6016	21.205	ug/l	93
30) Chloroform	7.593	83	17390	5.079	ug/l	94
31) Cyclohexane	7.875	56	12218	5.526	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	14154	5.124	ug/l	94
36) 1,1-Dichloropropene	8.005	75	10650	4.663	ug/l	94
37) Ethyl Acetate	7.169	43	3886	3.805	ug/l #	89
38) Carbon Tetrachloride	7.987	117	9108	4.165	ug/l	96
39) Methylcyclohexane	9.275	83	11473	4.351	ug/l #	92
40) Benzene	8.246	78	32544	4.516	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	2534	4.063	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	9107	4.864	ug/l	97
43) Isopropyl Acetate	8.357	43	9283	4.657	ug/l #	89
44) Trichloroethene	9.028	130	9108	4.638	ug/l	82
45) 1,2-Dichloropropane	9.310	63	8853	4.759	ug/l	94
46) Dibromomethane	9.393	93	4913	4.512	ug/l	90
47) Bromodichloromethane	9.581	83	13054	4.778	ug/l	91
48) Methyl methacrylate	9.381	41	4043	4.457	ug/l #	77
49) 1,4-Dioxane	9.387	88	908m	65.092	ug/l	
51) 4-Methyl-2-Pentanone	10.163	43	22429	21.135	ug/l	93
52) Toluene	10.334	92	19834	4.191	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	11355	4.477	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	12525	4.191	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	7015	4.412	ug/l	93
56) Ethyl methacrylate	10.593	69	7294	3.975	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	11760	4.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	16128	22.706	ug/l	98
59) 2-Hexanone	10.922	43	14678	19.383	ug/l	95
60) Dibromochloromethane	11.075	129	8167	4.422	ug/l	90
61) 1,2-Dibromoethane	11.175	107	6717	4.557	ug/l	93
64) Tetrachloroethene	10.804	164	6751	4.542	ug/l #	87
65) Chlorobenzene	11.610	112	23571	4.497	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	8271	4.238	ug/l	94
67) Ethyl Benzene	11.681	91	37085	4.028	ug/l	95
68) m/p-Xylenes	11.793	106	28319	8.009	ug/l	85
69) o-Xylene	12.122	106	13813	4.040	ug/l	95
70) Styrene	12.134	104	23065	3.854	ug/l	97
71) Bromoform	12.298	173	4613	4.316	ug/l #	98
73) Isopropylbenzene	12.422	105	36268	4.293	ug/l	94
74) N-amyl acetate	12.228	43	7196	4.043	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	8850	4.879	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	6723m	6.071	ug/l	
77) Bromobenzene	12.704	156	8894	4.561	ug/l	82
78) n-propylbenzene	12.763	91	45994	4.491	ug/l	96
79) 2-Chlorotoluene	12.845	91	25924	4.616	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	28923	4.234	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	2187	4.203	ug/l	98
82) 4-Chlorotoluene	12.945	91	25358	4.322	ug/l	96
83) tert-Butylbenzene	13.163	119	26894	4.471	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	28037	4.016	ug/l	100
85) sec-Butylbenzene	13.340	105	37796	4.113	ug/l	96
86) p-Isopropyltoluene	13.457	119	30930	4.075	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	17523	4.369	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	18730	4.766	ug/l	93
89) n-Butylbenzene	13.787	91	30733	4.138	ug/l	97
90) Hexachloroethane	14.051	117	6404	4.564	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	15468	4.376	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1063	4.110	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	9388	4.351	ug/l	95
94) Hexachlorobutadiene	15.198	225	4740	4.568	ug/l	96
95) Naphthalene	15.328	128	18366	3.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	8555	4.418	ug/l	95

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

