

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074218.D
 Acq On : 24 Aug 2022 12:42
 Operator : VA/SY
 Sample : N3980-01 4PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Aug 25 06:54:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 06:53:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/25/2022
 Supervised By :Mahesh Dadoda 08/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	139575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	232972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	219978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	113967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	71561	50.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.340%	
35) Dibromofluoromethane	7.908	113	77730	49.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.760%	
50) Toluene-d8	10.332	98	229344	45.729	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.460%	
62) 4-Bromofluorobenzene	12.620	95	96077	48.491	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	7020	5.994	ug/l	95
3) Chloromethane	2.209	50	4312	5.167	ug/l	90
4) Vinyl Chloride	2.350	62	4267	4.871	ug/l #	86
5) Bromomethane	2.767	94	3202	5.660	ug/l	82
6) Chloroethane	2.920	64	2585	4.547	ug/l #	85
7) Trichlorofluoromethane	3.267	101	12530	4.923	ug/l	90
8) Diethyl Ether	3.709	74	3024	4.422	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.085	101	7461	4.845	ug/l	94
10) Methyl Iodide	4.297	142	5537	3.278	ug/l #	79
11) Tert butyl alcohol	5.232	59	2490	28.036	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	5802	4.213	ug/l #	73
13) Acrolein	3.926	56	805	19.308	ug/l	91
14) Allyl chloride	4.703	41	9142	4.240	ug/l	94
15) Acrylonitrile	5.426	53	6762	21.265	ug/l	97
16) Acetone	4.156	43	6879	25.316	ug/l	96
17) Carbon Disulfide	4.403	76	15416	3.824	ug/l	97
18) Methyl Acetate	4.708	43	5424	6.332	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	13681	4.148	ug/l	96
20) Methylene Chloride	4.956	84	22815	10.719	ug/l	89
21) trans-1,2-Dichloroethene	5.461	96	7332	4.553	ug/l #	81
22) Diisopropyl ether	6.355	45	16137	3.650	ug/l	95
23) Vinyl Acetate	6.297	43	34917m	15.450	ug/l	
24) 1,1-Dichloroethane	6.250	63	13389	4.593	ug/l #	90
25) 2-Butanone	7.214	43	9168	21.795	ug/l	92
26) 2,2-Dichloropropane	7.197	77	12700	4.835	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	7833	4.329	ug/l	93
28) Bromochloromethane	7.538	49	4278	4.855	ug/l #	89
29) Tetrahydrofuran	7.561	42	5071	19.975	ug/l #	86
30) Chloroform	7.697	83	13837	4.502	ug/l #	83
31) Cyclohexane	7.973	56	12792	5.039	ug/l #	68
32) 1,1,1-Trichloroethane	7.897	97	13494	4.738	ug/l	93
36) 1,1-Dichloropropene	8.108	75	9768	4.147	ug/l	95
37) Ethyl Acetate	7.297	43	4200	4.523	ug/l #	92
38) Carbon Tetrachloride	8.091	117	10503	4.151	ug/l	96
39) Methylcyclohexane	9.344	83	9798	3.646	ug/l	96
40) Benzene	8.344	78	27561	4.151	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	2280	4.084	ug/l #	88
42) 1,2-Dichloroethane	8.408	62	8498	4.342	ug/l	94
43) Isopropyl Acetate	8.444	43	7734	4.140	ug/l #	87
44) Trichloroethene	9.108	130	8023	4.168	ug/l	89
45) 1,2-Dichloropropane	9.379	63	6830	4.121	ug/l	98
46) Dibromomethane	9.467	93	4365	4.721	ug/l	98
47) Bromodichloromethane	9.649	83	10823	4.501	ug/l	99
48) Methyl methacrylate	9.449	41	3383	3.917	ug/l	88
49) 1,4-Dioxane	9.444	88	731	69.677	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	17785	19.058	ug/l	95
52) Toluene	10.391	92	18691	4.283	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	8884	4.074	ug/l #	85
54) cis-1,3-Dichloropropene	10.079	75	10602	4.100	ug/l #	77
55) 1,1,2-Trichloroethane	10.785	97	5466	4.323	ug/l #	88
56) Ethyl methacrylate	10.649	69	5605	3.880	ug/l #	83
57) 1,3-Dichloropropane	10.932	76	9286	4.394	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	7764	17.756	ug/l #	87
59) 2-Hexanone	10.973	43	12201	19.391	ug/l	97
60) Dibromochloromethane	11.126	129	6961	4.239	ug/l	90
61) 1,2-Dibromoethane	11.232	107	5457	4.424	ug/l	99
64) Tetrachloroethene	10.873	164	7887	4.913	ug/l #	87
65) Chlorobenzene	11.661	112	20004	4.173	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.732	131	7746	4.298	ug/l	97
67) Ethyl Benzene	11.732	91	30556	3.724	ug/l	90
68) m/p-Xylenes	11.838	106	22844	6.990	ug/l	98
69) o-Xylene	12.167	106	10481	3.476	ug/l	95
70) Styrene	12.179	104	18166	3.514	ug/l	99
71) Bromoform	12.349	173	4469	4.559	ug/l #	96
73) Isopropylbenzene	12.467	105	29070	3.523	ug/l	99
74) N-amyl acetate	12.273	43	6123	3.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	6601	4.479	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	5333m	4.792	ug/l	
77) Bromobenzene	12.749	156	7767	3.973	ug/l	90
78) n-propylbenzene	12.802	91	37666	3.732	ug/l	99
79) 2-Chlorotoluene	12.890	91	21864	3.752	ug/l	92
80) 1,3,5-Trimethylbenzene	12.943	105	24764	3.493	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.514	75	1513	3.496	ug/l	92
82) 4-Chlorotoluene	12.990	91	23416	3.798	ug/l	98
83) tert-Butylbenzene	13.208	119	21493	3.599	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	23922	3.467	ug/l	97
85) sec-Butylbenzene	13.384	105	32522	3.603	ug/l	99
86) p-Isopropyltoluene	13.496	119	25498	3.423	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	16908	4.275	ug/l	97
88) 1,4-Dichlorobenzene	13.573	146	16317	4.095	ug/l	89
89) n-Butylbenzene	13.826	91	26324	3.729	ug/l	98
90) Hexachloroethane	14.090	117	6615	4.378	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	14122	4.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	928	3.846	ug/l	85
93) 1,2,4-Trichlorobenzene	15.137	180	8389	3.997	ug/l	97
94) Hexachlorobutadiene	15.243	225	4647	3.946	ug/l	99
95) Naphthalene	15.373	128	13306	3.504	ug/l	95
96) 1,2,3-Trichlorobenzene	15.573	180	7054	3.854	ug/l	97

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

