

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073676.D
 Acq On : 23 Jun 2022 20:10
 Operator : VA/SY
 Sample : N3214-02 5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jun 24 07:27:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:23:55 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/30/2022
 Supervised By : Mahesh Dadoda 06/30/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	182288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	318768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	301952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	152975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	14648	6.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.080%#		
35) Dibromofluoromethane	7.908	113	14265	5.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.480%#		
50) Toluene-d8	10.332	98	49795	5.585	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.160%#		
62) 4-Bromofluorobenzene	12.620	95	18626	5.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	11795	6.406	ug/l	89
3) Chloromethane	2.209	50	10446	6.277	ug/l #	87
4) Vinyl Chloride	2.344	62	10082	6.140	ug/l	98
5) Bromomethane	2.756	94	8278	6.551	ug/l	96
6) Chloroethane	2.915	64	6388	5.776	ug/l #	83
7) Trichlorofluoromethane	3.273	101	23956	6.237	ug/l	93
8) Diethyl Ether	3.703	74	6356	6.454	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	12911	5.861	ug/l	98
10) Methyl Iodide	4.303	142	11436	5.454	ug/l	97
11) Tert butyl alcohol	5.185	59	26226	52.682	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	10745	5.736	ug/l #	78
13) Acrolein	3.932	56	872m	23.049	ug/l	
14) Allyl chloride	4.703	41	15824	5.730	ug/l	96
15) Acrylonitrile	5.414	53	13532	28.706	ug/l	99
16) Acetone	4.150	43	11186	28.286	ug/l	91
17) Carbon Disulfide	4.409	76	27736	5.868	ug/l	100
18) Methyl Acetate	4.720	43	10836	8.884	ug/l #	90
19) Methyl tert-butyl Ether	5.467	73	25619	5.252	ug/l	100
20) Methylene Chloride	4.962	84	23477	8.164	ug/l #	85
21) trans-1,2-Dichloroethene	5.473	96	12693	5.696	ug/l	92
22) Diisopropyl ether	6.361	45	31060	5.009	ug/l #	81
23) Vinyl Acetate	6.303	43	70474m	21.680	ug/l	
24) 1,1-Dichloroethane	6.267	63	23618	5.719	ug/l #	96
25) 2-Butanone	7.203	43	16295	28.881	ug/l	93
26) 2,2-Dichloropropane	7.208	77	22915	5.891	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	14950	5.704	ug/l	93
28) Bromochloromethane	7.544	49	8582	5.888	ug/l	95
29) Tetrahydrofuran	7.561	42	9425	27.478	ug/l #	86
30) Chloroform	7.703	83	27331	5.880	ug/l	87
31) Cyclohexane	7.979	56	20491	6.101	ug/l #	70
32) 1,1,1-Trichloroethane	7.897	97	24292	5.818	ug/l	95
36) 1,1-Dichloropropene	8.108	75	18244	5.234	ug/l	99
37) Ethyl Acetate	7.279	43	7229	5.284	ug/l	99
38) Carbon Tetrachloride	8.085	117	23550	5.802	ug/l #	79
39) Methylcyclohexane	9.344	83	18876	4.877	ug/l	92
40) Benzene	8.344	78	53864	5.338	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	4516m	5.468	ug/l	
42) 1,2-Dichloroethane	8.414	62	16855	5.544	ug/l	99
43) Isopropyl Acetate	8.444	43	13856	5.161	ug/l	96
44) Trichloroethene	9.102	130	15199	5.244	ug/l	94
45) 1,2-Dichloropropane	9.385	63	13576	5.366	ug/l	93
46) Dibromomethane	9.467	93	7456	5.077	ug/l	96
47) Bromodichloromethane	9.655	83	19918	5.175	ug/l	95
48) Methyl methacrylate	9.450	41	5903	4.333	ug/l	86
49) 1,4-Dioxane	9.455	88	1629	99.341	ug/l #	89
51) 4-Methyl-2-Pentanone	10.220	43	34436	24.961	ug/l	97
52) Toluene	10.397	92	33495	5.066	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	18140	5.180	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	20331	5.100	ug/l	92
55) 1,1,2-Trichloroethane	10.785	97	10375	5.011	ug/l #	90
56) Ethyl methacrylate	10.655	69	10960	4.697	ug/l	92
57) 1,3-Dichloropropane	10.938	76	18103	5.303	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	24502	27.059	ug/l	98
59) 2-Hexanone	10.973	43	21389	22.965	ug/l	89
60) Dibromochloromethane	11.126	129	14474	5.305	ug/l	95
61) 1,2-Dibromoethane	11.232	107	10148	5.178	ug/l	90
64) Tetrachloroethene	10.861	164	14642	6.124	ug/l	88
65) Chlorobenzene	11.661	112	39727	5.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	15456	5.205	ug/l	99
67) Ethyl Benzene	11.732	91	62413	4.839	ug/l	95
68) m/p-Xylenes	11.844	106	48040	9.639	ug/l	100
69) o-Xylene	12.167	106	21486	4.648	ug/l	96
70) Styrene	12.185	104	36079	4.460	ug/l	97
71) Bromoform	12.349	173	8431	5.216	ug/l #	99
73) Isopropylbenzene	12.473	105	58010	4.644	ug/l	97
74) N-amyl acetate	12.279	43	11736	4.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	12462	5.288	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	9108m	6.118	ug/l	
77) Bromobenzene	12.749	156	15235	5.072	ug/l	96
78) n-propylbenzene	12.808	91	72474	4.747	ug/l	100
79) 2-Chlorotoluene	12.896	91	44694	5.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	50475	4.713	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	3444	4.723	ug/l	97
82) 4-Chlorotoluene	12.991	91	46846	4.955	ug/l	100
83) tert-Butylbenzene	13.208	119	44049	4.679	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	48355	4.597	ug/l	99
85) sec-Butylbenzene	13.390	105	65871	4.758	ug/l	98
86) p-Isopropyltoluene	13.502	119	53464	4.639	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	31680	5.064	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	33988	5.490	ug/l	94
89) n-Butylbenzene	13.832	91	51561	4.777	ug/l	98
90) Hexachloroethane	14.102	117	13153	5.536	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	28657	5.324	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1792	4.555	ug/l	79
93) 1,2,4-Trichlorobenzene	15.143	180	16135	5.020	ug/l	97
94) Hexachlorobutadiene	15.249	225	10016	5.496	ug/l	95
95) Naphthalene	15.384	128	24553	4.273	ug/l	96
96) 1,2,3-Trichlorobenzene	15.573	180	14295	5.091	ug/l	93

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

