

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073690.D
 Acq On : 24 Jun 2022 16:26
 Operator : VA/SY
 Sample : N3214-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 25 08:53:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 08:51:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/28/2022
 Supervised By :Semsettin Yesilyurt 06/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	214758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	367867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	347733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	179019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135810	51.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.908	113	144184	50.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.332	98	480100	46.660	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.320%			
62) 4-Bromofluorobenzene	12.620	95	193545	50.152	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	10739	4.951	ug/l	96
3) Chloromethane	2.209	50	8619	4.396	ug/l #	87
4) Vinyl Chloride	2.344	62	8903	4.602	ug/l	91
5) Bromomethane	2.762	94	6990	4.695	ug/l	85
6) Chloroethane	2.915	64	5486	4.210	ug/l	90
7) Trichlorofluoromethane	3.268	101	21365	4.722	ug/l	95
8) Diethyl Ether	3.703	74	5460	4.706	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.085	101	12235	4.714	ug/l	95
10) Methyl Iodide	4.303	142	9522	3.855	ug/l #	89
11) Tert butyl alcohol	5.179	59	32621	55.621	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	10406	4.715	ug/l	87
13) Acrolein	3.903	56	933m	20.933	ug/l	
14) Allyl chloride	4.709	41	14348	4.410	ug/l	98
15) Acrylonitrile	5.420	53	13169	23.712	ug/l	98
16) Acetone	4.156	43	12330	26.465	ug/l	99
17) Carbon Disulfide	4.403	76	23905	4.293	ug/l	100
18) Methyl Acetate	4.726	43	11351	7.899	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	23818	4.144	ug/l	98
20) Methylene Chloride	4.956	84	27971	8.256	ug/l	90
21) trans-1,2-Dichloroethene	5.462	96	11844	4.511	ug/l	96
22) Diisopropyl ether	6.350	45	29838	4.085	ug/l	91
23) Vinyl Acetate	6.309	43	63921	16.691	ug/l	97
24) 1,1-Dichloroethane	6.256	63	22333	4.590	ug/l	97
25) 2-Butanone	7.203	43	17081	25.697	ug/l	95
26) 2,2-Dichloropropane	7.203	77	20751	4.528	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	13331	4.318	ug/l	88
28) Bromochloromethane	7.538	49	9340	5.440	ug/l	98
29) Tetrahydrofuran	7.561	42	9261	22.918	ug/l	94
30) Chloroform	7.703	83	25409	4.640	ug/l	96
31) Cyclohexane	7.979	56	20700	5.231	ug/l #	88
32) 1,1,1-Trichloroethane	7.903	97	21782	4.428	ug/l	97
36) 1,1-Dichloropropene	8.108	75	15870	3.945	ug/l	97
37) Ethyl Acetate	7.279	43	8166	5.172	ug/l	99
38) Carbon Tetrachloride	8.085	117	19503	4.164	ug/l	86
39) Methylcyclohexane	9.350	83	18856	4.222	ug/l	99
40) Benzene	8.338	78	49953	4.290	ug/l	96

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Reviewed By :Mahesh Dadoda 06/28/2022
 Supervised By :Semsettin Yesilyurt 06/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	5207m	5.463	ug/l	
42) 1,2-Dichloroethane	8.420	62	15440	4.401	ug/l	100
43) Isopropyl Acetate	8.444	43	13680	4.416	ug/l	95
44) Trichloroethene	9.103	130	13966	4.175	ug/l	82
45) 1,2-Dichloropropane	9.379	63	12363	4.235	ug/l	91
46) Dibromomethane	9.467	93	7124	4.203	ug/l	98
47) Bromodichloromethane	9.650	83	18335	4.128	ug/l	92
48) Methyl methacrylate	9.450	41	6151	3.912	ug/l	93
49) 1,4-Dioxane	9.444	88	1492	78.843	ug/l #	57
51) 4-Methyl-2-Pentanone	10.220	43	33957	21.329	ug/l	99
52) Toluene	10.397	92	32347	4.239	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	16871	4.175	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	19335	4.203	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	10454	4.376	ug/l	93
56) Ethyl methacrylate	10.649	69	10831	4.022	ug/l #	92
57) 1,3-Dichloropropane	10.938	76	17266	4.383	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.932	63	23936	22.906	ug/l	94
59) 2-Hexanone	10.979	43	23750	22.097	ug/l	87
60) Dibromochloromethane	11.126	129	13384	4.251	ug/l	89
61) 1,2-Dibromoethane	11.232	107	10585	4.681	ug/l	95
64) Tetrachloroethene	10.873	164	12805	4.651	ug/l	90
65) Chlorobenzene	11.661	112	38656	4.542	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	14419	4.216	ug/l	97
67) Ethyl Benzene	11.732	91	59763	4.024	ug/l	94
68) m/p-Xylenes	11.844	106	44764	7.799	ug/l	98
69) o-Xylene	12.167	106	20851	3.917	ug/l	97
70) Styrene	12.185	104	34354	3.688	ug/l	98
71) Bromoform	12.349	173	7821	4.202	ug/l #	97
73) Isopropylbenzene	12.467	105	53757	3.677	ug/l	100
74) N-amyl acetate	12.273	43	11559	3.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	12231	4.435	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	8837m	5.073	ug/l	
77) Bromobenzene	12.749	156	15027	4.275	ug/l	99
78) n-propylbenzene	12.808	91	72303	4.047	ug/l	99
79) 2-Chlorotoluene	12.891	91	42923	4.124	ug/l	96
80) 1,3,5-Trimethylbenzene	12.943	105	48133	3.841	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	3382	3.963	ug/l	97
82) 4-Chlorotoluene	12.991	91	44539	4.025	ug/l	98
83) tert-Butylbenzene	13.208	119	39297	3.567	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	46972	3.816	ug/l	95
85) sec-Butylbenzene	13.385	105	60938	3.761	ug/l	100
86) p-Isopropyltoluene	13.502	119	49202	3.648	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	30704	4.194	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	31240	4.312	ug/l	94
89) n-Butylbenzene	13.826	91	47205	3.738	ug/l	97
90) Hexachloroethane	14.096	117	12139	4.366	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	27162	4.312	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2309	5.015	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	14795	3.933	ug/l	98
94) Hexachlorobutadiene	15.249	225	8680	4.070	ug/l	97
95) Naphthalene	15.385	128	24828	3.692	ug/l	97
96) 1,2,3-Trichlorobenzene	15.567	180	12634	3.845	ug/l	98

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

