

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073726.D
 Acq On : 27 Jun 2022 17:00
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062722

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

06/30/2022
 Supervised By : Mahesh
 Dadoda

Quant Time: Jun 28 02:11:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 16:20:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	292519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	467879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	446164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224226	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	119710	50.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.720%	
35) Dibromofluoromethane	7.908	113	124174	45.991	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.980%	
50) Toluene-d8	10.332	98	420796	45.961	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.920%	
62) 4-Bromofluorobenzene	12.620	95	176284	46.755	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	69836	46.933	ug/l	96
3) Chloromethane	2.209	50	62706	42.875	ug/l	99
4) Vinyl Chloride	2.344	62	70633	49.205	ug/l	94
5) Bromomethane	2.756	94	57322	54.780	ug/l	94
6) Chloroethane	2.914	64	50327	44.335	ug/l	94
7) Trichlorofluoromethane	3.267	101	189434	46.905	ug/l	100
8) Diethyl Ether	3.709	74	53937	48.813	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	114725	47.803	ug/l	97
10) Methyl Iodide	4.291	142	92940	44.533	ug/l	99
11) Tert butyl alcohol	5.214	59	65324	206.843	ug/l #	100
12) 1,1-Dichloroethene	4.061	96	89879	45.941	ug/l	96
13) Acrolein	3.920	56	7856	86.862	ug/l	95
14) Allyl chloride	4.708	41	141277	46.262	ug/l	99
15) Acrylonitrile	5.408	53	144148	249.802	ug/l	99
16) Acetone	4.150	43	113978	245.221	ug/l	99
17) Carbon Disulfide	4.403	76	167733	44.505	ug/l	100
18) Methyl Acetate	4.708	43	58020	45.719	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	300752	50.140	ug/l	98
20) Methylene Chloride	4.961	84	155155	55.749	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	110062	47.683	ug/l	96
22) Diisopropyl ether	6.355	45	379091	50.600	ug/l	99
23) Vinyl Acetate	6.297	43	1042233	267.746	ug/l	97
24) 1,1-Dichloroethane	6.255	63	224996	48.160	ug/l	97
25) 2-Butanone	7.208	43	170787	246.818	ug/l	97
26) 2,2-Dichloropropane	7.197	77	216016	48.562	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	144058	48.714	ug/l	99
28) Bromochloromethane	7.538	49	84757	48.585	ug/l	100
29) Tetrahydrofuran	7.555	42	105725	252.434	ug/l	99
30) Chloroform	7.702	83	262543	48.021	ug/l	98
31) Cyclohexane	7.979	56	152297	49.536	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	227805	47.833	ug/l	99
36) 1,1-Dichloropropene	8.108	75	162752	48.392	ug/l	99
37) Ethyl Acetate	7.285	43	80457	52.501	ug/l	99
38) Carbon Tetrachloride	8.091	117	198733	48.220	ug/l	99
39) Methylcyclohexane	9.344	83	165636	48.443	ug/l	98
40) Benzene	8.344	78	486382	48.594	ug/l	100

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41) Methacrylonitrile	7.508	41	48076	52.364	ug/l	95
42) 1,2-Dichloroethane	8.414	62	154593	48.704	ug/l	99
43) Isopropyl Acetate	8.444	43	155253	51.875	ug/l	99
44) Trichloroethene	9.102	130	138120	47.693	ug/l	97
45) 1,2-Dichloropropane	9.379	63	131242	48.696	ug/l	98
46) Dibromomethane	9.467	93	74203	48.004	ug/l	100
47) Bromodichloromethane	9.655	83	205635	49.599	ug/l	92
48) Methyl methacrylate	9.444	41	74640	54.866	ug/l	96
49) 1,4-Dioxane	9.455	88	19555	1027.512	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	416295	262.808	ug/l	98
52) Toluene	10.396	92	337081	50.108	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	188869	50.143	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	216024	50.393	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	114656	50.413	ug/l	95
56) Ethyl methacrylate	10.655	69	138185	53.285	ug/l	95
57) 1,3-Dichloropropane	10.938	76	187192	50.778	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	246776	247.222	ug/l	98
59) 2-Hexanone	10.973	43	288167	267.988	ug/l	98
60) Dibromochloromethane	11.132	129	149744	49.938	ug/l	94
61) 1,2-Dibromoethane	11.232	107	105452	49.126	ug/l	100
64) Tetrachloroethene	10.867	164	114791	47.274	ug/l	93
65) Chlorobenzene	11.661	112	389746	49.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	161411	50.132	ug/l	99
67) Ethyl Benzene	11.732	91	683806	50.787	ug/l	98
68) m/p-Xylenes	11.843	106	529417	102.039	ug/l	99
69) o-Xylene	12.173	106	252678	51.563	ug/l	99
70) Styrene	12.185	104	450321	52.948	ug/l	99
71) Bromoform	12.349	173	93563	50.736	ug/l #	100
73) Isopropylbenzene	12.467	105	695889	51.658	ug/l	99
74) N-amyl acetate	12.279	43	155547	52.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	133390	49.121	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	98585m	58.767	ug/l	
77) Bromobenzene	12.749	156	168045	50.268	ug/l	100
78) n-propylbenzene	12.808	91	855551	51.077	ug/l	98
79) 2-Chlorotoluene	12.890	91	497647	50.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	601947	51.585	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	43780	53.155	ug/l	95
82) 4-Chlorotoluene	12.990	91	527256	50.885	ug/l	99
83) tert-Butylbenzene	13.208	119	523103	51.903	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	605738	52.504	ug/l	99
85) sec-Butylbenzene	13.384	105	789576	52.055	ug/l	99
86) p-Isopropyltoluene	13.502	119	654491	52.285	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	340346	49.962	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	343341	49.831	ug/l	100
89) n-Butylbenzene	13.826	91	617092	52.472	ug/l	99
90) Hexachloroethane	14.096	117	128584	48.536	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	305410	50.082	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	22454	50.127	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	184096	50.172	ug/l	99
94) Hexachlorobutadiene	15.249	225	98594	48.544	ug/l	100
95) Naphthalene	15.379	128	355330	53.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	166310	51.409	ug/l	97

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

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