

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073334.D
 Acq On : 24 May 2022 19:41
 Operator : VA/SY
 Sample : N2949-20MS
 Misc : 5.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS002-0006-01MS

Quant Time: May 25 05:29:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	232031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	397183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	353303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	147467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144570	56.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.760%			
35) Dibromofluoromethane	7.909	113	141083	53.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.660%			
50) Toluene-d8	10.332	98	467147	48.353	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.700%			
62) 4-Bromofluorobenzene	12.620	95	154123	45.457	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	100500	43.346	ug/l	99
3) Chloromethane	2.209	50	116670	44.502	ug/l	95
4) Vinyl Chloride	2.344	62	107435	44.815	ug/l	99
5) Bromomethane	2.762	94	78373	51.082	ug/l	96
6) Chloroethane	2.915	64	75572	51.279	ug/l	99
7) Trichlorofluoromethane	3.268	101	203422	47.988	ug/l	99
8) Diethyl Ether	3.709	74	70161	60.234	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	113723	44.963	ug/l	96
10) Methyl Iodide	4.297	142	110944	40.657	ug/l	99
11) Tert butyl alcohol	5.220	59	55030	138.320	ug/l #	83
12) 1,1-Dichloroethene	4.068	96	110512	47.393	ug/l	81
13) Acrolein	3.920	56	27900	172.044	ug/l	95
14) Allyl chloride	4.709	41	185507	49.285	ug/l #	90
15) Acrylonitrile	5.415	53	166024	311.701	ug/l	98
16) Acetone	4.156	43	132626	298.601	ug/l	94
17) Carbon Disulfide	4.403	76	301376	38.987	ug/l	100
18) Methyl Acetate	4.715	43	129883	105.162	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	340633	64.122	ug/l	96
20) Methylene Chloride	4.956	84	184134	66.693	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	141719	50.265	ug/l	90
22) Diisopropyl ether	6.362	45	474431	60.128	ug/l #	92
23) Vinyl Acetate	6.297	43	674898m	160.356	ug/l	
24) 1,1-Dichloroethane	6.256	63	266430	52.605	ug/l	97
25) 2-Butanone	7.209	43	205068	315.576	ug/l	98
26) 2,2-Dichloropropane	7.203	77	203909	47.210	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	167246	53.610	ug/l	88
28) Bromochloromethane	7.544	49	98994	56.735	ug/l #	81
29) Tetrahydrofuran	7.561	42	140693	334.836	ug/l	92
30) Chloroform	7.703	83	291335	55.099	ug/l	100
31) Cyclohexane	7.985	56	172037	38.392	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	228484	49.407	ug/l	95
36) 1,1-Dichloropropene	8.108	75	179317	45.492	ug/l	97
37) Ethyl Acetate	7.279	43	67248	43.192	ug/l #	92
38) Carbon Tetrachloride	8.097	117	192816	48.256	ug/l	99
39) Methylcyclohexane	9.350	83	154803	35.239	ug/l	95
40) Benzene	8.344	78	581637	51.200	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	51550m	56.827	ug/l	
42) 1,2-Dichloroethane	8.420	62	179047	56.643	ug/l	94
43) Isopropyl Acetate	8.444	43	143055	49.709	ug/l #	89
44) Trichloroethene	9.103	130	143303	47.304	ug/l	95
45) 1,2-Dichloropropane	9.379	63	159479	55.744	ug/l	99
46) Dibromomethane	9.467	93	89191	56.764	ug/l	97
47) Bromodichloromethane	9.650	83	223058	55.481	ug/l	96
48) Methyl methacrylate	9.450	41	99086	68.435	ug/l	90
49) 1,4-Dioxane	9.450	88	23223	1431.170	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	485707	324.953	ug/l	93
52) Toluene	10.397	92	353165	49.196	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	196450	54.087	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	233341	53.685	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	125055	58.856	ug/l	97
56) Ethyl methacrylate	10.650	69	118101	49.992	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	206161	57.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	309714	273.697	ug/l	95
59) 2-Hexanone	10.973	43	318955	323.670	ug/l	93
60) Dibromochloromethane	11.132	129	147628	55.721	ug/l	99
61) 1,2-Dibromoethane	11.238	107	115823	57.045	ug/l	100
64) Tetrachloroethene	10.867	164	106715	46.116	ug/l	99
65) Chlorobenzene	11.661	112	358907	49.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	151977	56.538	ug/l	98
67) Ethyl Benzene	11.738	91	605826	47.615	ug/l	98
68) m/p-Xylenes	11.844	106	480879	97.280	ug/l	100
69) o-Xylene	12.173	106	228315	50.277	ug/l	94
70) Styrene	12.185	104	404640	51.791	ug/l	97
71) Bromoform	12.349	173	81845	59.160	ug/l #	99
73) Isopropylbenzene	12.467	105	543880	51.735	ug/l	100
74) N-amyl acetate	12.273	43	91357	39.835	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	133374	68.789	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	108487m	74.979	ug/l	
77) Bromobenzene	12.749	156	139629	56.422	ug/l	96
78) n-propylbenzene	12.808	91	654168	49.566	ug/l	99
79) 2-Chlorotoluene	12.891	91	392502	51.507	ug/l	97
80) 1,3,5-Trimethylbenzene	12.944	105	458174	51.449	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	38319	63.579	ug/l	90
82) 4-Chlorotoluene	12.991	91	413528	51.773	ug/l	99
83) tert-Butylbenzene	13.208	119	372362	49.612	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	457276	51.977	ug/l	99
85) sec-Butylbenzene	13.385	105	529832	46.233	ug/l	99
86) p-Isopropyltoluene	13.502	119	428472	45.865	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	246746	49.466	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	244369	48.531	ug/l	98
89) n-Butylbenzene	13.826	91	348930	39.201	ug/l	100
90) Hexachloroethane	14.096	117	92850	48.034	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	221222	51.257	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	19397	65.327	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	88095	35.953	ug/l	99
94) Hexachlorobutadiene	15.249	225	39248	28.425	ug/l	97
95) Naphthalene	15.379	128	198830	41.825	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	76695	35.307	ug/l	98

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

