

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077994.D
 Acq On : 31 May 2023 15:43
 Operator : JC\MD
 Sample : 02973-09MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526MSD

Quant Time: Jun 01 01:53:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	318763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	572588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	506554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255692	53.610	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	8.177	113	216168	57.895	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.800%			
50) Toluene-d8	10.576	98	802705	55.854	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.700%			
62) 4-Bromofluorobenzene	12.853	95	270998	53.391	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	176645	48.693	ug/l	98
3) Chloromethane	2.371	50	201746	52.543	ug/l	95
4) Vinyl Chloride	2.524	62	260979	57.060	ug/l	99
5) Bromomethane	2.953	94	195902	57.912	ug/l	93
6) Chloroethane	3.124	64	186566	56.600	ug/l	96
7) Trichlorofluoromethane	3.506	101	369956	58.040	ug/l	99
8) Diethyl Ether	3.971	74	131346	56.444	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	203352	57.648	ug/l	99
10) Methyl Iodide	4.594	142	276048	65.618	ug/l	99
11) Tert butyl alcohol	5.530	59	168994	256.737	ug/l	99
12) 1,1-Dichloroethene	4.353	96	197905	59.029	ug/l	95
13) Acrolein	4.189	56	110097	271.306	ug/l	96
14) Allyl chloride	5.036	41	281129	57.079	ug/l	95
15) Acrylonitrile	5.730	53	484174	275.324	ug/l	99
16) Acetone	4.436	43	385034	256.595	ug/l	92
17) Carbon Disulfide	4.718	76	471157	52.156	ug/l	97
18) Methyl Acetate	5.036	43	320053	50.842	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	696768	57.416	ug/l	97
20) Methylene Chloride	5.288	84	236765	61.058	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	221059	58.698	ug/l	90
22) Diisopropyl ether	6.683	45	661645	57.313	ug/l	95
23) Vinyl Acetate	6.612	43	1712515	239.422	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	418965	59.238	ug/l	98
25) 2-Butanone	7.494	43	609215	259.537	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	297837	49.567	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	269169	59.608	ug/l	93
28) Bromochloromethane	7.824	49	161107	52.671	ug/l	90
29) Tetrahydrofuran	7.847	42	394275	256.522	ug/l	86
30) Chloroform	7.977	83	461165	59.274	ug/l	93
31) Cyclohexane	8.271	56	337342	52.040	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	408556	61.765	ug/l	98
36) 1,1-Dichloropropene	8.377	75	333750	61.112	ug/l	98
37) Ethyl Acetate	7.571	43	236668	48.621	ug/l #	94
38) Carbon Tetrachloride	8.371	117	358067	64.930	ug/l	97
39) Methylcyclohexane	9.606	83	366272	54.782	ug/l	94
40) Benzene	8.612	78	990397	61.455	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	138193	53.309	ug/l	94
42) 1,2-Dichloroethane	8.677	62	340246	58.120	ug/l	98
43) Isopropyl Acetate	8.694	43	419717	52.789	ug/l	97
44) Trichloroethene	9.359	130	262694	64.375	ug/l	96
45) 1,2-Dichloropropane	9.629	63	256543	62.408	ug/l	95
46) Dibromomethane	9.718	93	179884	61.154	ug/l	95
47) Bromodichloromethane	9.894	83	356931	63.381	ug/l	93
48) Methyl methacrylate	9.688	41	214087	56.793	ug/l	89
49) 1,4-Dioxane	9.700	88	89964	1263.573	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1327407	280.870	ug/l	94
52) Toluene	10.635	92	639896	63.779	ug/l	98
53) t-1,3-Dichloropropene	10.847	75	364993	61.204	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	391113	59.513	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	250073	62.774	ug/l	93
56) Ethyl methacrylate	10.882	69	359065	59.612	ug/l	92
57) 1,3-Dichloropropane	11.170	76	416328	60.962	ug/l	99
59) 2-Hexanone	11.200	43	933384	267.011	ug/l	93
60) Dibromochloromethane	11.365	129	272503	66.261	ug/l	100
61) 1,2-Dibromoethane	11.476	107	252809	63.612	ug/l	99
64) Tetrachloroethene	11.112	164	241238	68.099	ug/l	96
65) Chlorobenzene	11.900	112	677771	61.719	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.970	131	257494	67.766	ug/l	99
67) Ethyl Benzene	11.970	91	1240594	63.040	ug/l	100
68) m/p-Xylenes	12.076	106	928114	124.467	ug/l	97
69) o-Xylene	12.406	106	468640	63.906	ug/l	99
70) Styrene	12.417	104	736397	63.213	ug/l	99
71) Bromoform	12.588	173	167820	66.392	ug/l #	98
73) Isopropylbenzene	12.700	105	1193228	64.943	ug/l	100
74) N-amyl acetate	12.500	43	327714	48.254	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	340213	60.189	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	323700m	60.641	ug/l	
77) Bromobenzene	12.988	156	265127	63.231	ug/l	96
78) n-propylbenzene	13.041	91	1347431	62.205	ug/l	100
79) 2-Chlorotoluene	13.135	91	821551	63.560	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	985368	63.810	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	89771	53.757	ug/l	90
82) 4-Chlorotoluene	13.229	91	770153	59.885	ug/l	97
83) tert-Butylbenzene	13.447	119	853853	63.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	985968	64.921	ug/l	99
85) sec-Butylbenzene	13.623	105	1146612	59.848	ug/l	99
86) p-Isopropyltoluene	13.735	119	946869	61.992	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	462097	59.593	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	447942	58.214	ug/l	99
89) n-Butylbenzene	14.064	91	742940	52.883	ug/l	98
90) Hexachloroethane	14.341	117	163589	65.196	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	452168	62.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	54083	49.422	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	178364	42.134	ug/l	93
94) Hexachlorobutadiene	15.511	225	83386	47.442	ug/l	98
95) Naphthalene	15.647	128	564179	38.720	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	193415	46.665	ug/l	98

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

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