

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033123\
 Data File : VN077252.D
 Acq On : 31 Mar 2023 15:02
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV050

Quant Time: Apr 03 08:58:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033123W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 00:11:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	641442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	954802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	833118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	429458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	330646	50.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.140%			
35) Dibromofluoromethane	8.166	113	296016	50.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.480%			
50) Toluene-d8	10.566	98	1125290	52.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.620%			
62) 4-Bromofluorobenzene	12.848	95	391693	55.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	156538	47.754	ug/l	99
3) Chloromethane	2.366	50	200410	56.042	ug/l	98
4) Vinyl Chloride	2.525	62	222966	48.362	ug/l	97
5) Bromomethane	2.954	94	172434	52.023	ug/l	91
6) Chloroethane	3.131	64	171842	44.577	ug/l	98
7) Trichlorofluoromethane	3.496	101	404412	38.721	ug/l	97
8) Diethyl Ether	3.966	74	204084	50.740	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	299475	48.025	ug/l	98
10) Methyl Iodide	4.601	142	364720	47.698	ug/l	99
11) Tert butyl alcohol	5.537	59	229262	213.973	ug/l	98
12) 1,1-Dichloroethene	4.349	96	278386	48.280	ug/l	99
13) Acrolein	4.184	56	246392	216.715	ug/l	100
14) Allyl chloride	5.025	41	497659	49.794	ug/l	99
15) Acrylonitrile	5.725	53	768642	218.175	ug/l	100
16) Acetone	4.437	43	730177	222.386	ug/l	99
17) Carbon Disulfide	4.719	76	695190	45.286	ug/l	99
18) Methyl Acetate	5.031	43	525426	42.550	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	965260	50.025	ug/l	97
20) Methylene Chloride	5.290	84	324894	44.204	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	302714	48.011	ug/l	96
22) Diisopropyl ether	6.678	45	1051890	49.766	ug/l	99
23) Vinyl Acetate	6.607	43	3178360	250.595	ug/l	98
24) 1,1-Dichloroethane	6.572	63	591032	47.603	ug/l	98
25) 2-Butanone	7.484	43	1048294	224.602	ug/l	98
26) 2,2-Dichloropropane	7.495	77	468253	50.977	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	365755	48.505	ug/l	98
28) Bromochloromethane	7.819	49	257155	47.462	ug/l	96
29) Tetrahydrofuran	7.837	42	662024	225.596	ug/l	99
30) Chloroform	7.966	83	577555	47.223	ug/l	99
31) Cyclohexane	8.260	56	542389	46.567	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	490912	47.581	ug/l	99
36) 1,1-Dichloropropene	8.372	75	436081	50.415	ug/l	99
37) Ethyl Acetate	7.566	43	403291	46.473	ug/l	100
38) Carbon Tetrachloride	8.366	117	443289	49.979	ug/l	99
39) Methylcyclohexane	9.601	83	562774	53.050	ug/l	98
40) Benzene	8.607	78	1318387	48.547	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	226834	47.820	ug/l	99
42) 1,2-Dichloroethane	8.672	62	422413	47.537	ug/l	100
43) Isopropyl Acetate	8.689	43	655939	48.184	ug/l	98
44) Trichloroethene	9.354	130	345769	49.210	ug/l	98
45) 1,2-Dichloropropane	9.625	63	349916	48.437	ug/l	100
46) Dibromomethane	9.707	93	215501	46.922	ug/l	100
47) Bromodichloromethane	9.889	83	454849	50.299	ug/l	100
48) Methyl methacrylate	9.683	41	330152	50.279	ug/l	98
49) 1,4-Dioxane	9.701	88	120655	965.885	ug/l #	85
51) 4-Methyl-2-Pentanone	10.448	43	2008001	232.953	ug/l	99
52) Toluene	10.630	92	819704	49.902	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	484659	54.338	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	545381	52.633	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	321715	47.347	ug/l	98
56) Ethyl methacrylate	10.878	69	491200	52.223	ug/l	100
57) 1,3-Dichloropropane	11.166	76	554915	48.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	855733	263.185	ug/l	98
59) 2-Hexanone	11.195	43	1476084	235.966	ug/l	99
60) Dibromochloromethane	11.360	129	351522	49.793	ug/l	99
61) 1,2-Dibromoethane	11.472	107	321323	48.709	ug/l	99
64) Tetrachloroethene	11.107	164	302879	49.650	ug/l	97
65) Chlorobenzene	11.895	112	873579	49.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	334662	49.648	ug/l	98
67) Ethyl Benzene	11.966	91	1566539	52.827	ug/l	98
68) m/p-Xylenes	12.072	106	1219543	105.737	ug/l	100
69) o-Xylene	12.401	106	597895	53.758	ug/l	100
70) Styrene	12.413	104	978853	55.280	ug/l	99
71) Bromoform	12.577	173	264544	49.999	ug/l	99
73) Isopropylbenzene	12.695	105	1549316	48.379	ug/l	99
74) N-amyl acetate	12.495	43	560175	47.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	454444	40.803	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	473356m	49.316	ug/l	
77) Bromobenzene	12.983	156	386213	45.037	ug/l	99
78) n-propylbenzene	13.036	91	1814638	51.382	ug/l	100
79) 2-Chlorotoluene	13.124	91	1075543	47.346	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1294679	50.294	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	142259	42.375	ug/l	99
82) 4-Chlorotoluene	13.224	91	1039174	48.684	ug/l	100
83) tert-Butylbenzene	13.442	119	1152020	49.119	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1299781	51.703	ug/l	99
85) sec-Butylbenzene	13.618	105	1639156	51.763	ug/l	100
86) p-Isopropyltoluene	13.730	119	1405398	54.415	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	731597	48.623	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	717311	48.320	ug/l	99
89) n-Butylbenzene	14.060	91	1181299	57.106	ug/l	100
90) Hexachloroethane	14.336	117	250320	46.590	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	723312	48.944	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	84732	45.540	ug/l	100
93) 1,2,4-Trichlorobenzene	15.365	180	429235	54.899	ug/l	99
94) Hexachlorobutadiene	15.465	225	255402	51.917	ug/l	99
95) Naphthalene	15.589	128	1107374	49.036	ug/l	100
96) 1,2,3-Trichlorobenzene	15.760	180	401631	53.202	ug/l	98

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

