

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080782.D
 Acq On : 29 Jan 2024 10:37
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/29/2024
 Supervised By : Mahesh Dadoda 01/30/2024

Quant Time: Jan 29 11:00:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 10:57:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	258472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	51766	20.202	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.400%#		
35) Dibromofluoromethane	8.165	113	37367	22.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	44.080%#		
50) Toluene-d8	10.565	98	150083	23.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	46.440%#		
62) 4-Bromofluorobenzene	12.847	95	50744	20.469	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.940%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	47143	19.887	ug/l	97
3) Chloromethane	2.359	50	63978	20.414	ug/l	97
4) Vinyl Chloride	2.512	62	47989	22.312	ug/l	94
5) Bromomethane	2.953	94	19879	24.317	ug/l	90
6) Chloroethane	3.118	64	26625	20.245	ug/l	98
7) Trichlorofluoromethane	3.494	101	62596	17.624	ug/l	90
8) Diethyl Ether	3.953	74	31687	20.414	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	37269	19.252	ug/l	98
10) Methyl Iodide	4.583	142	33310	20.577	ug/l #	87
11) Tert butyl alcohol	5.518	59	43859	101.209	ug/l	98
12) 1,1-Dichloroethene	4.341	96	40946	18.795	ug/l	93
13) Acrolein	4.183	56	51884	143.291	ug/l	97
14) Allyl chloride	5.018	41	81007	18.758	ug/l	98
15) Acrylonitrile	5.712	53	127042	112.264	ug/l	100
16) Acetone	4.424	43	93462	111.098	ug/l	95
17) Carbon Disulfide	4.706	76	126951	19.053	ug/l	97
18) Methyl Acetate	5.024	43	69417	27.710	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	146137	19.467	ug/l	96
20) Methylene Chloride	5.277	84	47325	19.270	ug/l #	91
21) trans-1,2-Dichloroethene	5.788	96	43859	19.848	ug/l	92
22) Diisopropyl ether	6.671	45	179607	22.055	ug/l	97
23) Vinyl Acetate	6.606	43	700199	105.642	ug/l	99
24) 1,1-Dichloroethane	6.565	63	90637	20.333	ug/l	98
25) 2-Butanone	7.482	43	173794	114.290	ug/l	97
26) 2,2-Dichloropropane	7.488	77	73616	18.883	ug/l	96
27) cis-1,2-Dichloroethene	7.482	96	50832	20.867	ug/l	97
28) Bromochloromethane	7.818	49	52879	25.374	ug/l	100
29) Tetrahydrofuran	7.835	42	114616	111.826	ug/l	98
30) Chloroform	7.971	83	82090	19.643	ug/l	93
31) Cyclohexane	8.259	56	83452	21.080	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	67581	18.167	ug/l	95
36) 1,1-Dichloropropene	8.377	75	64004	18.430	ug/l	97
37) Ethyl Acetate	7.559	43	68694	20.398	ug/l	98
38) Carbon Tetrachloride	8.365	117	53527	17.166	ug/l	95
39) Methylcyclohexane	9.600	83	66910	20.133	ug/l	91
40) Benzene	8.606	78	200734	20.561	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	40488	20.727	ug/l	96
42) 1,2-Dichloroethane	8.665	62	67828	18.147	ug/l	98
43) Isopropyl Acetate	8.688	43	128695	20.790	ug/l	100
44) Trichloroethene	9.347	130	41207	18.644	ug/l	94
45) 1,2-Dichloropropane	9.623	63	55056	21.271	ug/l	92
46) Dibromomethane	9.712	93	32521	19.859	ug/l	95
47) Bromodichloromethane	9.888	83	63337	17.426	ug/l	96
48) Methyl methacrylate	9.682	41	56984	19.443	ug/l	99
49) 1,4-Dioxane	9.694	88	16241	444.747	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	364171	109.048	ug/l	100
52) Toluene	10.629	92	115897	20.719	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	77512	19.213	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	86446	20.206	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	43743	20.317	ug/l	95
56) Ethyl methacrylate	10.876	69	74775	19.390	ug/l	98
57) 1,3-Dichloropropane	11.165	76	83161	21.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	199676	108.104	ug/l	99
59) 2-Hexanone	11.194	43	274156	111.206	ug/l	100
60) Dibromochloromethane	11.359	129	38668	17.475	ug/l	96
61) 1,2-Dibromoethane	11.470	107	41961	19.826	ug/l	100
64) Tetrachloroethene	11.106	164	33169	18.687	ug/l	87
65) Chlorobenzene	11.894	112	108729	19.254	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	38024	18.965	ug/l	96
67) Ethyl Benzene	11.965	91	204452	18.960	ug/l	97
68) m/p-Xylenes	12.070	106	148829	39.258	ug/l	98
69) o-Xylene	12.400	106	72544	19.571	ug/l	98
70) Styrene	12.417	104	122764	19.504	ug/l	98
71) Bromoform	12.576	173	25864	18.751	ug/l #	100
73) Isopropylbenzene	12.694	105	174907	19.201	ug/l	99
74) N-amyl acetate	12.494	43	111184	20.338	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	59861	20.033	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	55248m	18.703	ug/l	
77) Bromobenzene	12.982	156	36903	19.073	ug/l	94
78) n-propylbenzene	13.035	91	214531	19.198	ug/l	99
79) 2-Chlorotoluene	13.129	91	131309	18.336	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	141344	18.618	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	23834	19.021	ug/l #	76
82) 4-Chlorotoluene	13.223	91	132287	18.842	ug/l	96
83) tert-Butylbenzene	13.441	119	112487	18.534	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	142645	19.108	ug/l	99
85) sec-Butylbenzene	13.617	105	167869	19.467	ug/l	98
86) p-Isopropyltoluene	13.729	119	133656	19.625	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	66017	19.103	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	65415	18.581	ug/l	96
89) n-Butylbenzene	14.059	91	125116	19.059	ug/l	100
90) Hexachloroethane	14.335	117	22652	17.935	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	60842	18.683	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11274	15.156	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	31516	18.583	ug/l	98
94) Hexachlorobutadiene	15.505	225	13387	16.448	ug/l	94
95) Naphthalene	15.647	128	124029	18.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	30950	18.853	ug/l	98

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

