

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020624\
 Data File : VN080922.D
 Acq On : 06 Feb 2024 16:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 05:31:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 05:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	432729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	795671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	678385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	273560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	51340	9.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.800%#		
35) Dibromofluoromethane	8.171	113	42980	10.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.140%#		
50) Toluene-d8	10.571	98	147585	9.556	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.120%#		
62) 4-Bromofluorobenzene	12.847	95	49282	8.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46776	9.541	ug/l	98
3) Chloromethane	2.359	50	54432	9.602	ug/l	99
4) Vinyl Chloride	2.512	62	58294	9.105	ug/l	90
5) Bromomethane	2.953	94	39380	9.561	ug/l	96
6) Chloroethane	3.118	64	40529	8.950	ug/l	90
7) Trichlorofluoromethane	3.500	101	77756	9.275	ug/l	95
8) Diethyl Ether	3.959	74	27778	9.274	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	43579	9.241	ug/l	90
10) Methyl Iodide	4.589	142	42334	9.282	ug/l	95
11) Tert butyl alcohol	5.512	59	38485	51.168	ug/l #	79
12) 1,1-Dichloroethene	4.342	96	41087	8.856	ug/l	94
13) Acrolein	4.183	56	47290	49.885	ug/l	95
14) Allyl chloride	5.018	41	57138	9.295	ug/l #	87
15) Acrylonitrile	5.718	53	99176	48.239	ug/l	96
16) Acetone	4.424	43	85595	47.659	ug/l	96
17) Carbon Disulfide	4.712	76	109098	9.323	ug/l	98
18) Methyl Acetate	5.024	43	53377	7.520	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	147315	9.533	ug/l #	88
20) Methylene Chloride	5.283	84	50108	9.209	ug/l #	77
21) trans-1,2-Dichloroethene	5.783	96	48141	9.244	ug/l #	75
22) Diisopropyl ether	6.671	45	134134	9.414	ug/l #	93
23) Vinyl Acetate	6.600	43	478605	50.976	ug/l #	93
24) 1,1-Dichloroethane	6.559	63	85651	9.231	ug/l	96
25) 2-Butanone	7.482	43	130608	45.308	ug/l #	79
26) 2,2-Dichloropropane	7.488	77	75146	8.856	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	55608	9.189	ug/l	86
28) Bromochloromethane	7.812	49	34597	8.960	ug/l #	51
29) Tetrahydrofuran	7.835	42	83776	47.534	ug/l #	82
30) Chloroform	7.965	83	93916	9.158	ug/l	99
31) Cyclohexane	8.259	56	69448	9.308	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	82231	9.254	ug/l	90
36) 1,1-Dichloropropene	8.377	75	65991	10.390	ug/l	95
37) Ethyl Acetate	7.565	43	52643	10.953	ug/l	96
38) Carbon Tetrachloride	8.365	117	64086	9.842	ug/l	91
39) Methylcyclohexane	9.600	83	63033	8.904	ug/l	88
40) Benzene	8.612	78	195434	10.108	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	31906	11.140	ug/l	96
42) 1,2-Dichloroethane	8.665	62	70883	10.530	ug/l	98
43) Isopropyl Acetate	8.688	43	94360	10.677	ug/l #	93
44) Trichloroethene	9.353	130	51508	8.771	ug/l	97
45) 1,2-Dichloropropane	9.624	63	46471	8.908	ug/l	98
46) Dibromomethane	9.712	93	37241	9.654	ug/l	90
47) Bromodichloromethane	9.888	83	71594	9.489	ug/l #	97
48) Methyl methacrylate	9.682	41	42134	8.462	ug/l	90
49) 1,4-Dioxane	9.694	88	15859	172.495	ug/l #	68
51) 4-Methyl-2-Pentanone	10.447	43	266453	50.028	ug/l	91
52) Toluene	10.629	92	121287	9.365	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	71605	9.808	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	78950	9.634	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	49882	9.966	ug/l	91
56) Ethyl methacrylate	10.876	69	63808	10.656	ug/l	89
57) 1,3-Dichloropropane	11.165	76	81978	10.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	174532	48.012	ug/l #	83
59) 2-Hexanone	11.200	43	199182	49.342	ug/l	94
60) Dibromochloromethane	11.359	129	51297	10.030	ug/l	98
61) 1,2-Dibromoethane	11.470	107	49914	9.997	ug/l	99
64) Tetrachloroethene	11.106	164	43718	8.538	ug/l	94
65) Chlorobenzene	11.894	112	132009	9.285	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.965	131	47491	9.257	ug/l	96
67) Ethyl Benzene	11.965	91	220263	8.994	ug/l	96
68) m/p-Xylenes	12.070	106	165382	17.774	ug/l	94
69) o-Xylene	12.400	106	80555	8.922	ug/l	97
70) Styrene	12.412	104	129394	9.549	ug/l	97
71) Bromoform	12.576	173	29382	8.551	ug/l #	95
73) Isopropylbenzene	12.694	105	203383	9.560	ug/l	100
74) N-amyl acetate	12.494	43	73595	9.597	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	66966	10.118	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	57176m	9.826	ug/l	
77) Bromobenzene	12.982	156	47985	8.939	ug/l	75
78) n-propylbenzene	13.035	91	224363	9.341	ug/l	93
79) 2-Chlorotoluene	13.129	91	144955	9.549	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	162046	9.371	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	18648	9.083	ug/l	89
82) 4-Chlorotoluene	13.223	91	144902	9.568	ug/l	93
83) tert-Butylbenzene	13.441	119	137262	9.312	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	164058	9.525	ug/l	95
85) sec-Butylbenzene	13.617	105	192869	9.737	ug/l	94
86) p-Isopropyltoluene	13.735	119	158167	9.449	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	88847	9.293	ug/l	94
88) 1,4-Dichlorobenzene	13.817	146	89593	9.235	ug/l	97
89) n-Butylbenzene	14.059	91	132752	8.978	ug/l	98
90) Hexachloroethane	14.335	117	23555	8.924	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	89289	9.749	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12502	10.099	ug/l	83
93) 1,2,4-Trichlorobenzene	15.400	180	49194	10.858	ug/l	96
94) Hexachlorobutadiene	15.500	225	21625	11.009	ug/l	98
95) Naphthalene	15.647	128	171141	11.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	51067	11.451	ug/l	97

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

