

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080784.D
 Acq On : 29 Jan 2024 11:25
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jan 29 11:59:30 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	135890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12305	5.156	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.320%#		
35) Dibromofluoromethane	8.159	113	8503	5.313	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	10.571	98	34056	5.580	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.160%#		
62) 4-Bromofluorobenzene	12.847	95	11939	5.101	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	10386	4.704	ug/l	92
3) Chloromethane	2.359	50	17383	5.956	ug/l	98
4) Vinyl Chloride	2.518	62	12397	6.189	ug/l	96
5) Bromomethane	2.948	94	5614m	7.374	ug/l	
6) Chloroethane	3.112	64	7107	5.803	ug/l #	71
7) Trichlorofluoromethane	3.495	101	15815	4.781	ug/l	91
8) Diethyl Ether	3.965	74	6793	4.699	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	8937	4.957	ug/l #	69
10) Methyl Iodide	4.589	142	7137	4.734	ug/l #	85
11) Tert butyl alcohol	5.518	59	10754	26.647	ug/l #	88
12) 1,1-Dichloroethene	4.336	96	10380	5.116	ug/l #	76
13) Acrolein	4.171	56	13186	39.103	ug/l	99
14) Allyl chloride	5.024	41	20194	5.021	ug/l #	41
15) Acrylonitrile	5.724	53	31756	30.132	ug/l	95
16) Acetone	4.430	43	23124	29.515	ug/l	95
17) Carbon Disulfide	4.718	76	31386	5.058	ug/l	97
18) Methyl Acetate	5.024	43	15375m	6.590	ug/l	
19) Methyl tert-butyl Ether	5.789	73	35755	5.114	ug/l #	81
20) Methylene Chloride	5.277	84	11996	5.245	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	10914	5.303	ug/l	85
22) Diisopropyl ether	6.671	45	42811	5.645	ug/l	96
23) Vinyl Acetate	6.600	43	133985	21.706	ug/l	98
24) 1,1-Dichloroethane	6.565	63	21308	5.133	ug/l #	91
25) 2-Butanone	7.483	43	43887	30.990	ug/l	95
26) 2,2-Dichloropropane	7.488	77	16648	4.585	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	12374	5.455	ug/l	95
28) Bromochloromethane	7.812	49	10576	5.449	ug/l	95
29) Tetrahydrofuran	7.835	42	28282	29.629	ug/l	99
30) Chloroform	7.971	83	18457	4.742	ug/l #	80
31) Cyclohexane	8.253	56	23877	6.476	ug/l #	73
32) 1,1,1-Trichloroethane	8.171	97	16672	4.812	ug/l #	53
36) 1,1-Dichloropropene	8.365	75	16823	5.131	ug/l	95
37) Ethyl Acetate	7.565	43	18428	5.796	ug/l #	79
38) Carbon Tetrachloride	8.371	117	12944	4.397	ug/l #	95
39) Methylcyclohexane	9.600	83	15860	5.055	ug/l	92
40) Benzene	8.606	78	46330	5.027	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	10337	5.605	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	14977	4.245	ug/l	100
43) Isopropyl Acetate	8.688	43	29908	5.118	ug/l	98
44) Trichloroethene	9.353	130	10723	5.139	ug/l	96
45) 1,2-Dichloropropane	9.624	63	12601	5.157	ug/l	94
46) Dibromomethane	9.706	93	7124	4.608	ug/l	93
47) Bromodichloromethane	9.888	83	16256	4.738	ug/l	97
48) Methyl methacrylate	9.682	41	16664	6.023	ug/l	98
49) 1,4-Dioxane	9.700	88	3702	107.385	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	85491	27.117	ug/l	97
52) Toluene	10.635	92	25503	4.829	ug/l	90
53) t-1,3-Dichloropropene	10.841	75	17503	4.596	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	19624	4.859	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	10319	5.077	ug/l	95
56) Ethyl methacrylate	10.876	69	12168m	3.342	ug/l	
57) 1,3-Dichloropropane	11.165	76	19868	5.354	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	46380	26.598	ug/l	100
59) 2-Hexanone	11.200	43	70863	30.448	ug/l	99
60) Dibromochloromethane	11.353	129	9373	4.487	ug/l	94
61) 1,2-Dibromoethane	11.465	107	9216	4.613	ug/l	97
64) Tetrachloroethene	11.106	164	8063	4.957	ug/l #	75
65) Chlorobenzene	11.894	112	26927	5.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	8572	4.665	ug/l	97
67) Ethyl Benzene	11.965	91	48503	4.908	ug/l	97
68) m/p-Xylenes	12.070	106	32554	9.370	ug/l	93
69) o-Xylene	12.400	106	16313	4.802	ug/l	89
70) Styrene	12.418	104	23226	4.027	ug/l	99
71) Bromoform	12.582	173	5478	4.334	ug/l #	97
73) Isopropylbenzene	12.694	105	40171	4.822	ug/l	100
74) N-amyl acetate	12.494	43	25341	5.069	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	14914	5.458	ug/l	93
76) 1,2,3-Trichloropropane	12.994	75	14063m	5.206	ug/l	
77) Bromobenzene	12.982	156	8541	4.827	ug/l	93
78) n-propylbenzene	13.035	91	45979	4.499	ug/l	99
79) 2-Chlorotoluene	13.129	91	30364	4.636	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	31244	4.500	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	4890m	4.267	ug/l	
82) 4-Chlorotoluene	13.217	91	30083	4.686	ug/l	93
83) tert-Butylbenzene	13.441	119	25172	4.535	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	32876	4.816	ug/l	95
85) sec-Butylbenzene	13.617	105	36614	4.643	ug/l	99
86) p-Isopropyltoluene	13.729	119	28238	4.534	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	15539	4.917	ug/l	93
88) 1,4-Dichlorobenzene	13.817	146	14828	4.606	ug/l	93
89) n-Butylbenzene	14.059	91	28641	4.771	ug/l	96
90) Hexachloroethane	14.335	117	5374	4.653	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	14606	4.905	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3093	4.547	ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	7141	4.604	ug/l	95
94) Hexachlorobutadiene	15.500	225	2991	4.018	ug/l	94
95) Naphthalene	15.647	128	26101	4.276	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	6878	4.582	ug/l	98

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

