

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080787.D
 Acq On : 29 Jan 2024 13:09
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012924

Manual Integrations
 APPROVED

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

Quant Time: Jan 29 15:35:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	147143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124514	48.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.171	113	89468	49.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.280%		
50) Toluene-d8	10.571	98	360451	51.094	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.853	95	125091	50.884	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	115299	52.756	ug/l	97
3) Chloromethane	2.359	50	173707	52.875	ug/l	99
4) Vinyl Chloride	2.512	62	133838	53.586	ug/l	96
5) Bromomethane	2.942	94	50649	50.699	ug/l	95
6) Chloroethane	3.118	64	77033	57.850	ug/l	99
7) Trichlorofluoromethane	3.489	101	171807	53.150	ug/l	90
8) Diethyl Ether	3.953	74	82751	55.494	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	101308	53.746	ug/l	98
10) Methyl Iodide	4.589	142	83741	52.627	ug/l	98
11) Tert butyl alcohol	5.512	59	109976	265.034	ug/l	98
12) 1,1-Dichloroethene	4.342	96	107571	52.083	ug/l	94
13) Acrolein	4.177	56	133562	255.243	ug/l	96
14) Allyl chloride	5.012	41	223315	54.701	ug/l	98
15) Acrylonitrile	5.712	53	339712	272.213	ug/l	99
16) Acetone	4.424	43	234920	254.464	ug/l	91
17) Carbon Disulfide	4.718	76	341710	53.143	ug/l #	95
18) Methyl Acetate	5.024	43	175756	54.626	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	393668	54.093	ug/l	94
20) Methylene Chloride	5.271	84	125581	51.820	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	119036	53.049	ug/l	95
22) Diisopropyl ether	6.671	45	498446	55.336	ug/l	99
23) Vinyl Acetate	6.600	43	1915323	293.873	ug/l	99
24) 1,1-Dichloroethane	6.565	63	249937	54.712	ug/l	100
25) 2-Butanone	7.483	43	457320	260.799	ug/l	98
26) 2,2-Dichloropropane	7.489	77	209233	56.668	ug/l	95
27) cis-1,2-Dichloroethene	7.489	96	138617	53.366	ug/l	98
28) Bromochloromethane	7.812	49	98571	40.755	ug/l	99
29) Tetrahydrofuran	7.836	42	321432	270.898	ug/l	98
30) Chloroform	7.965	83	226307	53.323	ug/l	95
31) Cyclohexane	8.259	56	217221	49.764	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	191644	55.685	ug/l	98
36) 1,1-Dichloropropene	8.371	75	186016	55.524	ug/l	97
37) Ethyl Acetate	7.559	43	194642	56.438	ug/l	99
38) Carbon Tetrachloride	8.359	117	150006	55.572	ug/l	98
39) Methylcyclohexane	9.600	83	187260	56.235	ug/l	96
40) Benzene	8.606	78	553172	56.180	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	115029	56.591	ug/l	92
42) 1,2-Dichloroethane	8.671	62	182857	57.003	ug/l	99
43) Isopropyl Acetate	8.688	43	341634	54.409	ug/l	99
44) Trichloroethene	9.353	130	113526	52.346	ug/l	88
45) 1,2-Dichloropropane	9.624	63	149671	56.168	ug/l	97
46) Dibromomethane	9.706	93	87931	55.666	ug/l	96
47) Bromodichloromethane	9.888	83	176263	54.961	ug/l #	98
48) Methyl methacrylate	9.682	41	161542	53.069	ug/l	98
49) 1,4-Dioxane	9.700	88	42059	1147.066	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1001038	285.190	ug/l	99
52) Toluene	10.635	92	322509	57.126	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	214680	57.462	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	231277	56.926	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	118152	54.456	ug/l	97
56) Ethyl methacrylate	10.877	69	215220	64.527	ug/l	98
57) 1,3-Dichloropropane	11.165	76	224816	55.057	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	530780	272.981	ug/l	99
59) 2-Hexanone	11.194	43	753703	276.434	ug/l	99
60) Dibromochloromethane	11.359	129	115251	57.108	ug/l	98
61) 1,2-Dibromoethane	11.471	107	113520	55.828	ug/l	99
64) Tetrachloroethene	11.106	164	91959	54.834	ug/l	89
65) Chlorobenzene	11.894	112	307867	55.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	100840	55.688	ug/l	98
67) Ethyl Benzene	11.965	91	593845	57.377	ug/l	99
68) m/p-Xylenes	12.071	106	431960	117.522	ug/l	99
69) o-Xylene	12.400	106	210047	57.511	ug/l	99
70) Styrene	12.412	104	350057	59.680	ug/l	99
71) Bromoform	12.582	173	69273	56.578	ug/l #	94
73) Isopropylbenzene	12.694	105	514409	54.932	ug/l	99
74) N-amyl acetate	12.494	43	312207	53.698	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	172073	52.238	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	155473m	50.410	ug/l	
77) Bromobenzene	12.982	156	102793	51.351	ug/l	92
78) n-propylbenzene	13.041	91	637897	57.020	ug/l	99
79) 2-Chlorotoluene	13.129	91	381933	53.714	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	421448	56.511	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	74990	62.639	ug/l	97
82) 4-Chlorotoluene	13.223	91	382826	54.374	ug/l	98
83) tert-Butylbenzene	13.441	119	334647	56.190	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	419956	55.578	ug/l	100
85) sec-Butylbenzene	13.618	105	505901	57.618	ug/l	99
86) p-Isopropyltoluene	13.729	119	393216	57.628	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	194213	54.242	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	191293	53.290	ug/l	100
89) n-Butylbenzene	14.059	91	388036	58.114	ug/l	100
90) Hexachloroethane	14.335	117	68220	57.139	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	185027	56.460	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	33120	53.792	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	89331	52.962	ug/l	96
94) Hexachlorobutadiene	15.506	225	38179	51.811	ug/l	97
95) Naphthalene	15.647	128	341724	52.946	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	87188	52.589	ug/l	97

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

