

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072624\
 Data File : VN083040.D
 Acq On : 26 Jul 2024 10:11
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 26 22:59:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

07/29/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138655	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	125965	49.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	8.171	113	102844	53.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.460%
50) Toluene-d8	10.565	98	365114	51.641	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.847	95	119236	46.949	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	93.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	109551	46.757	ug/l	99
3) Chloromethane	2.359	50	88948	40.032	ug/l	98
4) Vinyl Chloride	2.512	62	103985	44.560	ug/l	97
5) Bromomethane	2.948	94	72227	42.928	ug/l	93
6) Chloroethane	3.112	64	84089	52.657	ug/l	92
7) Trichlorofluoromethane	3.495	101	182593	54.402	ug/l	93
8) Diethyl Ether	3.965	74	60630	52.782	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	110733	58.292	ug/l	98
10) Methyl Iodide	4.589	142	102671	52.717	ug/l	96
11) Tert butyl alcohol	5.518	59	111018	260.187	ug/l	100
12) 1,1-Dichloroethene	4.342	96	93002	50.341	ug/l	88
13) Acrolein	4.177	56	123366	400.467	ug/l	99
14) Allyl chloride	5.024	41	131638	45.700	ug/l #	92
15) Acrylonitrile	5.718	53	268272	273.582	ug/l	99
16) Acetone	4.424	43	252879	283.128	ug/l	96
17) Carbon Disulfide	4.712	76	225147	40.784	ug/l	98
18) Methyl Acetate	5.024	43	169105	71.552	ug/l #	88
19) Methyl tert-butyl Ether	5.794	73	348651	54.710	ug/l	98
20) Methylene Chloride	5.277	84	117082	54.280	ug/l #	84
21) trans-1,2-Dichloroethene	5.783	96	102355	51.133	ug/l	86
22) Diisopropyl ether	6.671	45	356299	59.124	ug/l #	93
23) Vinyl Acetate	6.600	43	1262132	263.732	ug/l #	95
24) 1,1-Dichloroethane	6.565	63	210183	57.499	ug/l	97
25) 2-Butanone	7.483	43	368259	273.062	ug/l #	90
26) 2,2-Dichloropropane	7.488	77	202564	59.601	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	128755	54.940	ug/l	91
28) Bromochloromethane	7.818	49	91762	58.516	ug/l #	21
29) Tetrahydrofuran	7.841	42	222268	261.789	ug/l #	83
30) Chloroform	7.965	83	232915	60.062	ug/l	98
31) Cyclohexane	8.259	56	154760	46.662	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	206605	57.383	ug/l	97
36) 1,1-Dichloropropene	8.371	75	146538	55.523	ug/l	99
37) Ethyl Acetate	7.559	43	143041	53.234	ug/l	96
38) Carbon Tetrachloride	8.359	117	180180	56.701	ug/l	96
39) Methylcyclohexane	9.600	83	138276	48.503	ug/l	95
40) Benzene	8.606	78	470682	57.977	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.783	41	78680	54.352	ug/l	#	89
42) 1,2-Dichloroethane	8.671	62	172161	58.907	ug/l		97
43) Isopropyl Acetate	8.688	43	251027	49.518	ug/l	#	92
44) Trichloroethene	9.353	130	108671	52.248	ug/l		98
45) 1,2-Dichloropropane	9.624	63	119954	63.289	ug/l		93
46) Dibromomethane	9.712	93	87577	59.311	ug/l		98
47) Bromodichloromethane	9.888	83	186151	61.015	ug/l		99
48) Methyl methacrylate	9.682	41	116818	55.446	ug/l	#	85
49) 1,4-Dioxane	9.694	88	47222	1031.128	ug/l		89
51) 4-Methyl-2-Pentanone	10.447	43	793996	298.066	ug/l		95
52) Toluene	10.629	92	295445	58.258	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	184503	58.703	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	193043	58.026	ug/l		90
55) 1,1,2-Trichloroethane	11.018	97	120364	64.544	ug/l		96
56) Ethyl methacrylate	10.876	69	177515	61.185	ug/l		87
57) 1,3-Dichloropropane	11.165	76	200973	60.883	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	493125	331.238	ug/l		96
59) 2-Hexanone	11.194	43	590148	297.978	ug/l		93
60) Dibromochloromethane	11.359	129	146695	61.762	ug/l		100
61) 1,2-Dibromoethane	11.471	107	115209	58.175	ug/l		95
64) Tetrachloroethene	11.106	164	101428	48.774	ug/l		95
65) Chlorobenzene	11.894	112	330279	55.297	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	128675	60.566	ug/l		98
67) Ethyl Benzene	11.965	91	558064	55.592	ug/l		97
68) m/p-Xylenes	12.070	106	443726	117.080	ug/l		95
69) o-Xylene	12.400	106	208623	57.449	ug/l		93
70) Styrene	12.412	104	369274	61.544	ug/l		97
71) Bromoform	12.582	173	98799	59.132	ug/l	#	100
73) Isopropylbenzene	12.694	105	531621	52.765	ug/l		100
74) N-amyl acetate	12.494	43	214746	51.529	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.941	83	168758	55.927	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122589m	51.282	ug/l		
77) Bromobenzene	12.982	156	136083	52.355	ug/l		92
78) n-propylbenzene	13.035	91	628877	54.287	ug/l		99
79) 2-Chlorotoluene	13.123	91	379184	51.373	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	444482	54.577	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	63608	52.332	ug/l		92
82) 4-Chlorotoluene	13.223	91	378635	51.827	ug/l		96
83) tert-Butylbenzene	13.441	119	374024	51.803	ug/l		95
84) 1,2,4-Trimethylbenzene	13.482	105	459704	55.381	ug/l		99
85) sec-Butylbenzene	13.617	105	525587	53.869	ug/l		99
86) p-Isopropyltoluene	13.729	119	435787	53.534	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	248931	53.015	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	246459	50.754	ug/l		98
89) n-Butylbenzene	14.059	91	363168	52.074	ug/l		99
90) Hexachloroethane	14.335	117	91613	53.187	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	236614	51.901	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32056	45.920	ug/l		94
93) 1,2,4-Trichlorobenzene	15.394	180	117401	47.807	ug/l		100
94) Hexachlorobutadiene	15.500	225	50823	46.685	ug/l		97
95) Naphthalene	15.641	128	388994	46.249	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	119767	47.433	ug/l		98

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

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