

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080924\
 Data File : VN083195.D
 Acq On : 09 Aug 2024 20:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2024
 Supervised By : Mahesh Dadoda 08/12/2024

Quant Time: Aug 10 01:04:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	171700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	128421	52.546	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	105.100%	
35) Dibromofluoromethane	8.165	113	91209	47.867	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.740%	
50) Toluene-d8	10.565	98	348941	49.092	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.180%	
62) 4-Bromofluorobenzene	12.847	95	139802	50.451	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	100.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	93827	48.188	ug/l	94
3) Chloromethane	2.360	50	91020	45.660	ug/l	97
4) Vinyl Chloride	2.512	62	97074	47.724	ug/l	97
5) Bromomethane	2.942	94	54643	43.294	ug/l	93
6) Chloroethane	3.112	64	58742	46.160	ug/l	94
7) Trichlorofluoromethane	3.489	101	170243	50.664	ug/l	97
8) Diethyl Ether	3.959	74	60945	48.741	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.365	101	90652	48.932	ug/l	99
10) Methyl Iodide	4.583	142	115322	47.321	ug/l	92
11) Tert butyl alcohol	5.524	59	120381	237.017	ug/l	100
12) 1,1-Dichloroethene	4.336	96	88477	46.485	ug/l	90
13) Acrolein	4.177	56	96900	292.731	ug/l	99
14) Allyl chloride	5.024	41	150775	41.919	ug/l	94
15) Acrylonitrile	5.718	53	258652	247.616	ug/l	99
16) Acetone	4.430	43	219348	229.368	ug/l	93
17) Carbon Disulfide	4.712	76	232793	41.800	ug/l	99
18) Methyl Acetate	5.024	43	143862	50.491	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	337642	49.147	ug/l	99
20) Methylene Chloride	5.277	84	100084	45.474	ug/l	83
21) trans-1,2-Dichloroethene	5.783	96	91721	46.626	ug/l	92
22) Diisopropyl ether	6.671	45	337233	49.879	ug/l	95
23) Vinyl Acetate	6.606	43	1727977m	249.350	ug/l	
24) 1,1-Dichloroethane	6.571	63	184819	50.151	ug/l	99
25) 2-Butanone	7.483	43	363734	247.710	ug/l	93
26) 2,2-Dichloropropane	7.489	77	133372	38.971	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	113851	47.961	ug/l	92
28) Bromochloromethane	7.818	49	70310	46.685	ug/l	87
29) Tetrahydrofuran	7.841	42	241947	254.891	ug/l	89
30) Chloroform	7.965	83	193678	50.587	ug/l	97
31) Cyclohexane	8.259	56	163053	45.020	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	183523	50.641	ug/l	96
36) 1,1-Dichloropropene	8.371	75	134906	46.803	ug/l	99
37) Ethyl Acetate	7.565	43	149442	46.305	ug/l #	96
38) Carbon Tetrachloride	8.359	117	157837	48.617	ug/l	97
39) Methylcyclohexane	9.600	83	159519	45.057	ug/l	94
40) Benzene	8.606	78	405617	47.237	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	83313	45.401	ug/l	95
42) 1,2-Dichloroethane	8.671	62	159321	50.933	ug/l	99
43) Isopropyl Acetate	8.688	43	262912	46.760	ug/l #	93
44) Trichloroethene	9.353	130	97407	47.658	ug/l	94
45) 1,2-Dichloropropane	9.624	63	100073	49.097	ug/l	96
46) Dibromomethane	9.712	93	72014	49.360	ug/l	99
47) Bromodichloromethane	9.888	83	158984	48.532	ug/l	98
48) Methyl methacrylate	9.683	41	124000	46.473	ug/l	91
49) 1,4-Dioxane	9.700	88	46226	960.293	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	773000	253.283	ug/l	94
52) Toluene	10.630	92	261651	48.226	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	159626	47.437	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	164328	45.913	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	98782	50.805	ug/l	97
56) Ethyl methacrylate	10.877	69	178977	48.828	ug/l	90
57) 1,3-Dichloropropane	11.165	76	171550	49.500	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	388254	250.586	ug/l	97
59) 2-Hexanone	11.194	43	586228	248.287	ug/l	93
60) Dibromochloromethane	11.359	129	118236	50.296	ug/l	98
61) 1,2-Dibromoethane	11.471	107	99722	48.823	ug/l	97
64) Tetrachloroethene	11.106	164	82921	46.413	ug/l	97
65) Chlorobenzene	11.894	112	280680	47.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	99873	47.502	ug/l	99
67) Ethyl Benzene	11.965	91	511469	46.769	ug/l	98
68) m/p-Xylenes	12.071	106	387299	94.542	ug/l	98
69) o-Xylene	12.400	106	190033	47.034	ug/l	99
70) Styrene	12.412	104	327654	48.284	ug/l	98
71) Bromoform	12.576	173	78335	49.181	ug/l #	100
73) Isopropylbenzene	12.694	105	494875	44.550	ug/l	100
74) N-amyl acetate	12.494	43	236939	43.607	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	145200	46.216	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	132039m	45.300	ug/l	
77) Bromobenzene	12.982	156	112838	45.728	ug/l	96
78) n-propylbenzene	13.035	91	581977	45.499	ug/l	99
79) 2-Chlorotoluene	13.124	91	364636	44.965	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	421426	45.315	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	49564	36.989	ug/l	97
82) 4-Chlorotoluene	13.224	91	360568	44.327	ug/l	98
83) tert-Butylbenzene	13.441	119	369986	44.924	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	425348	45.384	ug/l	99
85) sec-Butylbenzene	13.618	105	510565	45.432	ug/l	100
86) p-Isopropyltoluene	13.729	119	427068	46.026	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	207494	44.688	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	208636	44.571	ug/l	98
89) n-Butylbenzene	14.059	91	366076	45.531	ug/l	99
90) Hexachloroethane	14.335	117	79981	44.616	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	201923	44.940	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	34274	44.956	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	108865	43.248	ug/l	98
94) Hexachlorobutadiene	15.500	225	43668	39.008	ug/l	99
95) Naphthalene	15.641	128	395502	44.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	108337	43.496	ug/l	97

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

