

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN084003.D
 Acq On : 18 Sep 2024 23:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:45:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	148256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111457	49.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.720%		
35) Dibromofluoromethane	8.165	113	79395	47.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.700%		
50) Toluene-d8	10.565	98	287898	49.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.847	95	114291	47.790	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81991	47.620	ug/l	95
3) Chloromethane	2.359	50	85106	48.344	ug/l	99
4) Vinyl Chloride	2.512	62	88250	46.762	ug/l	99
5) Bromomethane	2.942	94	54170	49.993	ug/l	96
6) Chloroethane	3.112	64	59316	44.807	ug/l	93
7) Trichlorofluoromethane	3.495	101	153660	47.967	ug/l	100
8) Diethyl Ether	3.959	74	56190	52.327	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	82588	48.640	ug/l	99
10) Methyl Iodide	4.589	142	108636	50.307	ug/l	95
11) Tert butyl alcohol	5.524	59	97147	324.523	ug/l	99
12) 1,1-Dichloroethene	4.336	96	80918	50.462	ug/l	95
13) Acrolein	4.177	56	65024	220.150	ug/l	99
14) Allyl chloride	5.024	41	133583	46.752	ug/l	92
15) Acrylonitrile	5.718	53	228297	280.430	ug/l	99
16) Acetone	4.424	43	201200	224.515	ug/l	98
17) Carbon Disulfide	4.712	76	200026	44.593	ug/l	99
18) Methyl Acetate	5.018	43	129521	70.114	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	308192	53.112	ug/l	96
20) Methylene Chloride	5.277	84	91907	50.117	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	82725	48.138	ug/l	95
22) Diisopropyl ether	6.671	45	318498	54.149	ug/l	97
23) Vinyl Acetate	6.600	43	1153338	267.760	ug/l	99
24) 1,1-Dichloroethane	6.565	63	173537	51.211	ug/l	98
25) 2-Butanone	7.483	43	317386	269.462	ug/l	99
26) 2,2-Dichloropropane	7.488	77	127470	40.847	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	104268	51.111	ug/l	99
28) Bromochloromethane	7.812	49	67491	47.295	ug/l	94
29) Tetrahydrofuran	7.841	42	203409	292.063	ug/l	98
30) Chloroform	7.965	83	187026	51.987	ug/l	97
31) Cyclohexane	8.253	56	143508	44.417	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	171721	51.912	ug/l	97
36) 1,1-Dichloropropene	8.371	75	124583	49.365	ug/l	98
37) Ethyl Acetate	7.559	43	125756	54.896	ug/l	99
38) Carbon Tetrachloride	8.359	117	147064	51.364	ug/l	99
39) Methylcyclohexane	9.600	83	136331	47.459	ug/l	98
40) Benzene	8.606	78	381133	50.175	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75315	55.587	ug/l	99
42) 1,2-Dichloroethane	8.671	62	149556	52.690	ug/l	99
43) Isopropyl Acetate	8.688	43	280773	67.636	ug/l	95
44) Trichloroethene	9.353	130	88018	50.037	ug/l	90
45) 1,2-Dichloropropane	9.618	63	95109	51.804	ug/l	99
46) Dibromomethane	9.706	93	69025	53.676	ug/l	97
47) Bromodichloromethane	9.888	83	149426	53.691	ug/l	99
48) Methyl methacrylate	9.682	41	114807	58.292	ug/l	97
49) 1,4-Dioxane	9.694	88	36940	1140.138	ug/l #	100
51) 4-Methyl-2-Pentanone	10.441	43	678850	300.413	ug/l	98
52) Toluene	10.629	92	244155	52.548	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	151796	53.810	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	155254	52.394	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	90399	52.115	ug/l	98
56) Ethyl methacrylate	10.876	69	159074	59.606	ug/l	97
57) 1,3-Dichloropropane	11.165	76	158771	53.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	326846	339.893	ug/l	98
59) 2-Hexanone	11.194	43	496129	296.804	ug/l	99
60) Dibromochloromethane	11.359	129	108502	55.892	ug/l	100
61) 1,2-Dibromoethane	11.471	107	92815	53.652	ug/l	99
64) Tetrachloroethene	11.106	164	76058	50.069	ug/l	98
65) Chlorobenzene	11.888	112	254818	50.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	94725	53.822	ug/l	100
67) Ethyl Benzene	11.965	91	480222	53.248	ug/l	99
68) m/p-Xylenes	12.070	106	351702	105.040	ug/l	98
69) o-Xylene	12.400	106	175053	54.006	ug/l	99
70) Styrene	12.412	104	298417	56.098	ug/l	99
71) Bromoform	12.576	173	70742	59.648	ug/l #	98
73) Isopropylbenzene	12.694	105	456134	53.253	ug/l	99
74) N-amyl acetate	12.494	43	217281	59.456	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	135219	53.730	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	112791m	50.490	ug/l	
77) Bromobenzene	12.982	156	103767	50.329	ug/l	99
78) n-propylbenzene	13.035	91	531259	53.308	ug/l	99
79) 2-Chlorotoluene	13.123	91	328670	51.712	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	383327	53.082	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	44866	52.601	ug/l	97
82) 4-Chlorotoluene	13.217	91	333089	52.224	ug/l	99
83) tert-Butylbenzene	13.435	119	330128	52.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	387147	53.370	ug/l	99
85) sec-Butylbenzene	13.617	105	448570	53.535	ug/l	100
86) p-Isopropyltoluene	13.729	119	376500	53.603	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	193878	49.826	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	192926	48.966	ug/l	100
89) n-Butylbenzene	14.053	91	327434	51.921	ug/l	99
90) Hexachloroethane	14.335	117	72007	50.999	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	189314	50.413	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28120	56.052	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	93550	46.423	ug/l	99
94) Hexachlorobutadiene	15.500	225	39476	46.128	ug/l	99
95) Naphthalene	15.641	128	330875	53.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	93006	48.292	ug/l	100

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

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