

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080266.D
 Acq On : 27 Nov 2023 10:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 28 02:05:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	219677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	176982	48.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.165	113	125351	51.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.200%		
50) Toluene-d8	10.571	98	452195	51.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.280%		
62) 4-Bromofluorobenzene	12.853	95	172661	52.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	154990	47.365	ug/l	99
3) Chloromethane	2.365	50	102096	41.499	ug/l	100
4) Vinyl Chloride	2.512	62	119513	45.904	ug/l	95
5) Bromomethane	2.948	94	77563	43.884	ug/l	95
6) Chloroethane	3.118	64	76271	47.252	ug/l	99
7) Trichlorofluoromethane	3.495	101	261904	48.223	ug/l	99
8) Diethyl Ether	3.959	74	69985	44.308	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	118224	47.625	ug/l	95
10) Methyl Iodide	4.589	142	126068	46.992	ug/l #	87
11) Tert butyl alcohol	5.518	59	88812	222.653	ug/l	97
12) 1,1-Dichloroethene	4.336	96	106231	45.753	ug/l	85
13) Acrolein	4.177	56	88520	250.762	ug/l	99
14) Allyl chloride	5.024	41	125465	42.950	ug/l	89
15) Acrylonitrile	5.712	53	236811	221.151	ug/l	98
16) Acetone	4.424	43	274429	225.257	ug/l	93
17) Carbon Disulfide	4.712	76	279395	40.301	ug/l	100
18) Methyl Acetate	5.018	43	166427	42.517	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	392861	47.913	ug/l	100
20) Methylene Chloride	5.277	84	124951	48.976	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	120937	47.413	ug/l	86
22) Diisopropyl ether	6.671	45	305358	47.247	ug/l	97
23) Vinyl Acetate	6.600	43	1016218m	261.543	ug/l	
24) 1,1-Dichloroethane	6.565	63	216572	46.008	ug/l	100
25) 2-Butanone	7.483	43	306035	211.427	ug/l	90
26) 2,2-Dichloropropane	7.488	77	226918	48.589	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	138212	47.793	ug/l	88
28) Bromochloromethane	7.812	49	89058	48.125	ug/l	99
29) Tetrahydrofuran	7.835	42	172743	222.288	ug/l	93
30) Chloroform	7.965	83	261593	49.720	ug/l	94
31) Cyclohexane	8.259	56	158951	40.295	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	257200	50.127	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181040	51.476	ug/l	95
37) Ethyl Acetate	7.565	43	111445	45.684	ug/l	97
38) Carbon Tetrachloride	8.365	117	236352	52.957	ug/l	98
39) Methylcyclohexane	9.606	83	162494	47.918	ug/l	90
40) Benzene	8.606	78	497733	49.795	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	64909	48.450	ug/l	94
42) 1,2-Dichloroethane	8.671	62	215443	52.683	ug/l	96
43) Isopropyl Acetate	8.688	43	195247	41.129	ug/l	98
44) Trichloroethene	9.353	130	133625	50.963	ug/l	96
45) 1,2-Dichloropropane	9.624	63	117086	50.405	ug/l	99
46) Dibromomethane	9.712	93	91546	52.063	ug/l	91
47) Bromodichloromethane	9.888	83	209423	54.144	ug/l	97
48) Methyl methacrylate	9.682	41	121307	49.585	ug/l	90
49) 1,4-Dioxane	9.694	88	37313	916.802	ug/l	90
51) 4-Methyl-2-Pentanone	10.447	43	589604	239.896	ug/l	98
52) Toluene	10.629	92	328206	52.467	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	206197	51.887	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	215126	52.986	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	122671	51.380	ug/l	96
56) Ethyl methacrylate	10.876	69	126081	51.692	ug/l	94
57) 1,3-Dichloropropane	11.165	76	214591	51.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	343725	250.145	ug/l	99
59) 2-Hexanone	11.194	43	463577	234.730	ug/l	96
60) Dibromochloromethane	11.359	129	158681	55.514	ug/l	100
61) 1,2-Dibromoethane	11.471	107	124318	51.040	ug/l	98
64) Tetrachloroethene	11.106	164	140110	62.038	ug/l	97
65) Chlorobenzene	11.894	112	339956	50.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	144770	55.634	ug/l	93
67) Ethyl Benzene	11.965	91	635093	53.225	ug/l	97
68) m/p-Xylenes	12.070	106	467973	107.566	ug/l	86
69) o-Xylene	12.400	106	220262	53.722	ug/l	84
70) Styrene	12.412	104	340145	55.738	ug/l	92
71) Bromoform	12.582	173	105422	54.630	ug/l #	99
73) Isopropylbenzene	12.700	105	602797	50.546	ug/l	98
74) N-amyl acetate	12.494	43	156003	41.947	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	149116	41.777	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	154868m	41.185	ug/l	
77) Bromobenzene	12.982	156	148351	49.339	ug/l	96
78) n-propylbenzene	13.041	91	673222	50.482	ug/l	100
79) 2-Chlorotoluene	13.129	91	428801	49.507	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	524436	50.517	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	59773	53.705	ug/l	93
82) 4-Chlorotoluene	13.223	91	437943	49.355	ug/l	96
83) tert-Butylbenzene	13.441	119	411604	49.441	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	531843	52.028	ug/l	98
85) sec-Butylbenzene	13.617	105	535565	50.854	ug/l	99
86) p-Isopropyltoluene	13.729	119	497895	52.923	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	262433	48.445	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	254550	46.758	ug/l	96
89) n-Butylbenzene	14.059	91	396640	50.371	ug/l	99
90) Hexachloroethane	14.335	117	90439	49.310	ug/l	72
91) 1,2-Dichlorobenzene	14.112	146	250949	48.409	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36754	44.332	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	135621	44.982	ug/l	96
94) Hexachlorobutadiene	15.500	225	79576	45.864	ug/l	99
95) Naphthalene	15.641	128	362544	41.467	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	127860	45.244	ug/l	99

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

