

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080855.D
 Acq On : 31 Jan 2024 21:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

Quant Time: Jan 31 23:23:50 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	115263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	230732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	100723	50.512	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.020%
35) Dibromofluoromethane	8.165	113	74721	52.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.860%
50) Toluene-d8	10.571	98	284113	51.423	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.840%
62) 4-Bromofluorobenzene	12.853	95	101276	52.602	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	89290	52.155	ug/l	95
3) Chloromethane	2.359	50	128260	49.839	ug/l	99
4) Vinyl Chloride	2.512	62	97226	49.694	ug/l	91
5) Bromomethane	2.942	94	36517	46.663	ug/l #	81
6) Chloroethane	3.112	64	54907	52.639	ug/l	95
7) Trichlorofluoromethane	3.494	101	127365	50.299	ug/l	94
8) Diethyl Ether	3.953	74	61063	52.275	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	74664	50.566	ug/l	97
10) Methyl Iodide	4.583	142	63053	50.586	ug/l	97
11) Tert butyl alcohol	5.518	59	82176	252.812	ug/l	99
12) 1,1-Dichloroethene	4.341	96	78663	48.621	ug/l	97
13) Acrolein	4.177	56	110498	269.572	ug/l	100
14) Allyl chloride	5.018	41	166065	51.929	ug/l	99
15) Acrylonitrile	5.718	53	263472	269.514	ug/l	98
16) Acetone	4.424	43	199609	276.017	ug/l	97
17) Carbon Disulfide	4.706	76	235690	46.793	ug/l #	95
18) Methyl Acetate	5.018	43	142813	56.664	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	296245	51.965	ug/l	100
20) Methylene Chloride	5.271	84	96213	50.682	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	88597	50.404	ug/l #	94
22) Diisopropyl ether	6.671	45	381658	54.089	ug/l	96
23) Vinyl Acetate	6.600	43	1443707	282.779	ug/l	100
24) 1,1-Dichloroethane	6.565	63	189820	53.045	ug/l	99
25) 2-Butanone	7.482	43	364059	265.037	ug/l	94
26) 2,2-Dichloropropane	7.488	77	136153	47.074	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	100931	49.605	ug/l	97
28) Bromochloromethane	7.818	49	90642	47.842	ug/l	99
29) Tetrahydrofuran	7.841	42	250431	269.435	ug/l	97
30) Chloroform	7.965	83	170332	51.235	ug/l	98
31) Cyclohexane	8.253	56	165991	48.545	ug/l #	95
32) 1,1,1-Trichloroethane	8.171	97	139137	51.610	ug/l	99
36) 1,1-Dichloropropene	8.371	75	130767	49.840	ug/l	99
37) Ethyl Acetate	7.559	43	148171	54.859	ug/l	99
38) Carbon Tetrachloride	8.359	117	108542	51.344	ug/l	99
39) Methylcyclohexane	9.600	83	129439	49.633	ug/l	99
40) Benzene	8.606	78	403730	52.355	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	80330	50.461	ug/l	99
42) 1,2-Dichloroethane	8.671	62	145658	57.978	ug/l	100
43) Isopropyl Acetate	8.688	43	273989	55.717	ug/l	98
44) Trichloroethene	9.353	130	80555	47.427	ug/l	87
45) 1,2-Dichloropropane	9.624	63	114323	54.781	ug/l	93
46) Dibromomethane	9.712	93	65962	53.319	ug/l	98
47) Bromodichloromethane	9.888	83	131349	52.296	ug/l #	100
48) Methyl methacrylate	9.682	41	127623	53.533	ug/l	97
49) 1,4-Dioxane	9.700	88	30770	1071.522	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	781854	284.416	ug/l	99
52) Toluene	10.629	92	235516	53.267	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	153762	52.551	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	167746	52.720	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	91140	53.636	ug/l	92
56) Ethyl methacrylate	10.876	69	158075	60.515	ug/l	97
57) 1,3-Dichloropropane	11.165	76	172558	53.959	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	424139	278.529	ug/l	98
59) 2-Hexanone	11.200	43	574114	268.865	ug/l	98
60) Dibromochloromethane	11.365	129	84769	53.633	ug/l	99
61) 1,2-Dibromoethane	11.470	107	86139	54.091	ug/l	94
64) Tetrachloroethene	11.106	164	62557	46.756	ug/l	99
65) Chlorobenzene	11.894	112	227258	51.154	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	75718	52.412	ug/l	97
67) Ethyl Benzene	11.965	91	439028	53.170	ug/l	97
68) m/p-Xylenes	12.076	106	312587	106.599	ug/l	97
69) o-Xylene	12.400	106	154175	52.913	ug/l	98
70) Styrene	12.412	104	259592	55.474	ug/l	99
71) Bromoform	12.582	173	53514	54.785	ug/l #	97
73) Isopropylbenzene	12.700	105	389079	50.328	ug/l	98
74) N-amyl acetate	12.494	43	249156	51.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	139950	51.464	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	120869m	47.472	ug/l	
77) Bromobenzene	12.982	156	77781	47.067	ug/l	96
78) n-propylbenzene	13.035	91	483273	52.327	ug/l	98
79) 2-Chlorotoluene	13.129	91	281541	47.962	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	323978	52.621	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	47308	47.867	ug/l	95
82) 4-Chlorotoluene	13.223	91	283622	48.796	ug/l	95
83) tert-Butylbenzene	13.441	119	245568	49.946	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	312085	50.030	ug/l	99
85) sec-Butylbenzene	13.617	105	370878	51.166	ug/l	99
86) p-Isopropyltoluene	13.735	119	293056	52.025	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	148837	50.352	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	145246	49.012	ug/l	99
89) n-Butylbenzene	14.059	91	277750	50.387	ug/l	100
90) Hexachloroethane	14.335	117	50843	51.583	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	139245	51.469	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28342	55.759	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	69653	50.021	ug/l	97
94) Hexachlorobutadiene	15.500	225	28058	46.122	ug/l	97
95) Naphthalene	15.641	128	271290	50.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	69432	50.728	ug/l	97

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

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