

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083612.D
 Acq On : 31 Aug 2024 12:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2024
 Supervised By : Mahesh Dadoda 09/03/2024

Quant Time: Sep 02 01:05:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	84635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	185362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	151711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	64704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113192	95.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.380%#			
35) Dibromofluoromethane	8.165	113	78285	70.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 140.340%#			
50) Toluene-d8	10.565	98	193238	44.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.100%			
62) 4-Bromofluorobenzene	12.847	95	74081	46.030	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	19185	21.418	ug/l	96
3) Chloromethane	2.359	50	79083	75.791	ug/l	94
4) Vinyl Chloride	2.518	62	63849	61.142	ug/l	97
5) Bromomethane	2.901	94	42776	77.921	ug/l	100
6) Chloroethane	3.071	64	53209	77.974	ug/l	97
7) Trichlorofluoromethane	3.471	101	60087	34.940	ug/l	96
8) Diethyl Ether	3.953	74	56043	91.161	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	18107	19.415	ug/l	97
10) Methyl Iodide	4.577	142	97201	77.048	ug/l	94
11) Tert butyl alcohol	5.542	59	77856	422.147	ug/l #	86
12) 1,1-Dichloroethene	4.330	96	46725	50.394	ug/l	94
13) Acrolein	4.171	56	65740	376.770	ug/l	95
14) Allyl chloride	5.018	41	110263	66.700	ug/l	97
15) Acrylonitrile	5.712	53	215327	473.425	ug/l	100
16) Acetone	4.430	43	189131	400.956	ug/l	100
17) Carbon Disulfide	4.700	76	116963	43.288	ug/l	99
18) Methyl Acetate	5.024	43	104978	83.684	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	309434	94.085	ug/l	98
20) Methylene Chloride	5.271	84	85065	81.664	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	55245	57.201	ug/l	91
22) Diisopropyl ether	6.665	45	294826	90.447	ug/l	99
23) Vinyl Acetate	6.600	43	1114167	461.225	ug/l	98
24) 1,1-Dichloroethane	6.565	63	143253	77.064	ug/l	97
25) 2-Butanone	7.483	43	282434	439.767	ug/l	98
26) 2,2-Dichloropropane	7.488	77	55754	32.215	ug/l	90
27) cis-1,2-Dichloroethene	7.483	96	85656	74.323	ug/l	95
28) Bromochloromethane	7.812	49	65796	75.797	ug/l	97
29) Tetrahydrofuran	7.835	42	185880	466.610	ug/l	99
30) Chloroform	7.965	83	151022	77.113	ug/l	98
31) Cyclohexane	8.253	56	29606	16.181	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	97602	55.113	ug/l	99
36) 1,1-Dichloropropene	8.371	75	49241	28.936	ug/l	98
37) Ethyl Acetate	7.559	43	122692	72.445	ug/l	98
38) Carbon Tetrachloride	8.359	117	59852	30.826	ug/l	99
39) Methylcyclohexane	9.600	83	20652	10.114	ug/l	98
40) Benzene	8.600	78	275981	52.720	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	70782	73.239	ug/l	99
42) 1,2-Dichloroethane	8.671	62	135252	69.701	ug/l	100
43) Isopropyl Acetate	8.688	43	214739	63.504	ug/l	98
44) Trichloroethene	9.353	130	46884	37.231	ug/l	98
45) 1,2-Dichloropropane	9.618	63	75759	62.125	ug/l	99
46) Dibromomethane	9.706	93	61924	68.831	ug/l	99
47) Bromodichloromethane	9.888	83	120845	63.102	ug/l	99
48) Methyl methacrylate	9.682	41	101120	72.796	ug/l	98
49) 1,4-Dioxane	9.694	88	33615	1476.837	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	592776	376.482	ug/l	99
52) Toluene	10.629	92	130035	39.718	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	107331	54.138	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	110890	53.288	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	77760	66.544	ug/l	98
56) Ethyl methacrylate	10.876	69	136892	70.813	ug/l	98
57) 1,3-Dichloropropane	11.165	76	138220	66.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	298647	355.539	ug/l	98
59) 2-Hexanone	11.194	43	431343	365.040	ug/l	98
60) Dibromochloromethane	11.359	129	87610	64.704	ug/l	98
61) 1,2-Dibromoethane	11.471	107	78730	65.946	ug/l	99
64) Tetrachloroethene	11.100	164	25371	25.442	ug/l	95
65) Chlorobenzene	11.888	112	132785	39.028	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	63716	55.467	ug/l	98
67) Ethyl Benzene	11.965	91	171749	28.280	ug/l	98
68) m/p-Xylenes	12.070	106	123867	54.140	ug/l	100
69) o-Xylene	12.400	106	74386	33.639	ug/l	98
70) Styrene	12.412	104	136294	36.657	ug/l	100
71) Bromoform	12.576	173	54575	66.701	ug/l #	99
73) Isopropylbenzene	12.694	105	122004	23.297	ug/l	99
74) N-amyl acetate	12.494	43	166817	73.388	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	110929	74.612	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	93721m	71.742	ug/l	
77) Bromobenzene	12.976	156	51968	42.297	ug/l	87
78) n-propylbenzene	13.035	91	117302	19.373	ug/l	99
79) 2-Chlorotoluene	13.123	91	112745	28.735	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	107496	24.366	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	30917	55.819	ug/l	94
82) 4-Chlorotoluene	13.217	91	106611	26.747	ug/l	98
83) tert-Butylbenzene	13.435	119	77257	19.697	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	116318	26.194	ug/l	100
85) sec-Butylbenzene	13.617	105	86097	16.515	ug/l	98
86) p-Isopropyltoluene	13.729	119	74148	17.028	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	68570	28.750	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	68952	28.136	ug/l	98
89) n-Butylbenzene	14.053	91	52160	13.618	ug/l	98
90) Hexachloroethane	14.329	117	17090	20.163	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	84081	36.607	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	22690	70.369	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	31479	24.169	ug/l	99
94) Hexachlorobutadiene	15.500	225	6387	12.245	ug/l	98
95) Naphthalene	15.641	128	188444	45.031	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	36340	27.930	ug/l	98

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

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