

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085337.D
 Acq On : 27 Dec 2024 19:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/30/2024
 Supervised By : Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:46:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	169838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119158	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122557	50.594	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.180%
35) Dibromofluoromethane	8.165	113	97559	51.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.620%
50) Toluene-d8	10.565	98	355381	50.937	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.847	95	118775	51.260	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.520%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	113123	49.249	ug/l	97
3) Chloromethane	2.359	50	112831	43.706	ug/l	94
4) Vinyl Chloride	2.512	62	122843	44.993	ug/l	95
5) Bromomethane	2.947	94	72906	40.830	ug/l	94
6) Chloroethane	3.118	64	77851	44.963	ug/l	96
7) Trichlorofluoromethane	3.494	101	168414	46.925	ug/l	98
8) Diethyl Ether	3.959	74	62159	52.307	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	94675	46.360	ug/l	99
10) Methyl Iodide	4.583	142	116418	49.261	ug/l	98
11) Tert butyl alcohol	5.518	59	77990	257.112	ug/l	99
12) 1,1-Dichloroethene	4.336	96	90284	47.837	ug/l	94
13) Acrolein	4.177	56	117362	248.168	ug/l	98
14) Allyl chloride	5.018	41	140110	46.385	ug/l	97
15) Acrylonitrile	5.712	53	243992	255.570	ug/l	100
16) Acetone	4.418	43	202911	254.740	ug/l	97
17) Carbon Disulfide	4.712	76	244238	42.538	ug/l	100
18) Methyl Acetate	5.024	43	125680	51.536	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	308976	50.367	ug/l	98
20) Methylene Chloride	5.277	84	100258	46.795	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	91889	46.608	ug/l	96
22) Diisopropyl ether	6.671	45	325374	49.987	ug/l	99
23) Vinyl Acetate	6.600	43	1238586	263.034	ug/l	99
24) 1,1-Dichloroethane	6.571	63	186368	47.530	ug/l	99
25) 2-Butanone	7.477	43	324958	262.964	ug/l	96
26) 2,2-Dichloropropane	7.482	77	155415	45.241	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	110639	47.812	ug/l	96
28) Bromochloromethane	7.812	49	77034	42.276	ug/l #	98
29) Tetrahydrofuran	7.835	42	215784	271.082	ug/l	98
30) Chloroform	7.965	83	184082	45.890	ug/l	97
31) Cyclohexane	8.253	56	155315	43.379	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	161741	45.147	ug/l	99
36) 1,1-Dichloropropene	8.371	75	130916	47.028	ug/l	100
37) Ethyl Acetate	7.559	43	134415	48.579	ug/l	100
38) Carbon Tetrachloride	8.359	117	145219	47.859	ug/l	97
39) Methylcyclohexane	9.600	83	140749	48.731	ug/l	99
40) Benzene	8.606	78	401557	47.710	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	72165	50.926	ug/l	98
42) 1,2-Dichloroethane	8.671	62	141854	47.009	ug/l	100
43) Isopropyl Acetate	8.682	43	258318	56.698	ug/l	95
44) Trichloroethene	9.347	130	89851	45.091	ug/l	95
45) 1,2-Dichloropropane	9.618	63	100779	47.168	ug/l	95
46) Dibromomethane	9.706	93	70356	47.348	ug/l	99
47) Bromodichloromethane	9.888	83	147480	47.752	ug/l	98
48) Methyl methacrylate	9.676	41	107180	54.215	ug/l	100
49) 1,4-Dioxane	9.694	88	33381	1119.134	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	687835	268.651	ug/l	99
52) Toluene	10.629	92	243317	48.552	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	150931	49.694	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	160718	48.936	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	92267	48.764	ug/l	97
56) Ethyl methacrylate	10.870	69	155398	56.392	ug/l	99
57) 1,3-Dichloropropane	11.159	76	161673	48.684	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	360017	270.032	ug/l	99
59) 2-Hexanone	11.194	43	497580	280.111	ug/l	100
60) Dibromochloromethane	11.353	129	109072	51.180	ug/l	100
61) 1,2-Dibromoethane	11.465	107	92998	49.680	ug/l	99
64) Tetrachloroethene	11.100	164	71896	44.300	ug/l	97
65) Chlorobenzene	11.888	112	261676	47.277	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	92418	49.750	ug/l	98
67) Ethyl Benzene	11.959	91	461376	50.123	ug/l	100
68) m/p-Xylenes	12.070	106	351159	104.245	ug/l	100
69) o-Xylene	12.394	106	168921	51.838	ug/l	97
70) Styrene	12.412	104	285621	54.081	ug/l	100
71) Bromoform	12.576	173	68988	53.619	ug/l #	99
73) Isopropylbenzene	12.694	105	430895	50.287	ug/l	99
74) N-amyl acetate	12.488	43	207891	56.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	135425	49.623	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	122072m	54.860	ug/l	
77) Bromobenzene	12.976	156	97145	45.760	ug/l	97
78) n-propylbenzene	13.035	91	506572	50.717	ug/l	100
79) 2-Chlorotoluene	13.123	91	309290	49.202	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	359513	51.871	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49551	53.330	ug/l	95
82) 4-Chlorotoluene	13.217	91	311175	49.151	ug/l	99
83) tert-Butylbenzene	13.435	119	299444	49.875	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	362722	52.558	ug/l	98
85) sec-Butylbenzene	13.611	105	423924	50.868	ug/l	98
86) p-Isopropyltoluene	13.729	119	355028	47.752	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	182452	47.408	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	182104	46.065	ug/l	99
89) n-Butylbenzene	14.053	91	301821	49.458	ug/l	99
90) Hexachloroethane	14.329	117	70685	51.745	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	178612	48.719	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25973	53.475	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	84575	46.223	ug/l	99
94) Hexachlorobutadiene	15.500	225	37128	40.840	ug/l	97
95) Naphthalene	15.635	128	291130	46.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	84747	46.357	ug/l	97

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

