

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082062.D
 Acq On : 09 May 2024 19:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 03:56:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	132423	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	280264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123233	55.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.280%			
35) Dibromofluoromethane	8.165	113	87256	51.709	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	10.565	98	366361	55.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.560%			
62) 4-Bromofluorobenzene	12.847	95	127933	48.833	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	89061	47.911	ug/l	100
3) Chloromethane	2.360	50	104204	53.734	ug/l	99
4) Vinyl Chloride	2.512	62	102168	58.201	ug/l	98
5) Bromomethane	2.954	94	45258	61.810	ug/l	94
6) Chloroethane	3.118	64	61734	69.581	ug/l	97
7) Trichlorofluoromethane	3.495	101	134701	49.605	ug/l	99
8) Diethyl Ether	3.959	74	65284	56.595	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	87074	55.231	ug/l	# 68
10) Methyl Iodide	4.589	142	83422	60.414	ug/l	95
11) Tert butyl alcohol	5.512	59	104134	256.302	ug/l	99
12) 1,1-Dichloroethene	4.342	96	85476	53.293	ug/l	91
13) Acrolein	4.183	56	76269	240.349	ug/l	97
14) Allyl chloride	5.024	41	161886	47.717	ug/l	# 87
15) Acrylonitrile	5.718	53	290039	297.290	ug/l	98
16) Acetone	4.424	43	194942	295.971	ug/l	96
17) Carbon Disulfide	4.718	76	223748	46.414	ug/l	96
18) Methyl Acetate	5.024	43	144081	63.647	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	326424	53.936	ug/l	# 90
20) Methylene Chloride	5.277	84	105901	55.291	ug/l	# 82
21) trans-1,2-Dichloroethene	5.783	96	91212	52.159	ug/l	87
22) Diisopropyl ether	6.677	45	393530	59.945	ug/l	# 90
23) Vinyl Acetate	6.606	43	1529052	286.657	ug/l	# 91
24) 1,1-Dichloroethane	6.571	63	200129	58.570	ug/l	96
25) 2-Butanone	7.483	43	369378	291.193	ug/l	# 86
26) 2,2-Dichloropropane	7.494	77	149348	47.514	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	116164	56.846	ug/l	88
28) Bromochloromethane	7.812	49	96696	59.542	ug/l	# 71
29) Tetrahydrofuran	7.836	42	255518	280.895	ug/l	88
30) Chloroform	7.965	83	185290	54.707	ug/l	98
31) Cyclohexane	8.259	56	173276	51.466	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	149357	49.449	ug/l	# 93
36) 1,1-Dichloropropene	8.371	75	131419	47.872	ug/l	96
37) Ethyl Acetate	7.559	43	155041	52.234	ug/l	99
38) Carbon Tetrachloride	8.365	117	115906	43.199	ug/l	99
39) Methylcyclohexane	9.600	83	154211	46.254	ug/l	# 87
40) Benzene	8.606	78	436499	52.967	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	94930	50.123	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	144312	47.158	ug/l	97
43) Isopropyl Acetate	8.688	43	337022	60.387	ug/l #	87
44) Trichloroethene	9.353	130	84244	44.338	ug/l	82
45) 1,2-Dichloropropane	9.624	63	117293	54.384	ug/l	98
46) Dibromomethane	9.712	93	69933	46.913	ug/l #	89
47) Bromodichloromethane	9.888	83	152744	48.586	ug/l #	95
48) Methyl methacrylate	9.683	41	131470	49.345	ug/l #	87
49) 1,4-Dioxane	9.694	88	40831	1008.300	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	835594	265.960	ug/l	93
52) Toluene	10.630	92	257093	52.094	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	162193	47.414	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	178770	50.706	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	97622	50.297	ug/l	98
56) Ethyl methacrylate	10.877	69	185257	50.125	ug/l	88
57) 1,3-Dichloropropane	11.165	76	182316	52.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	481675	286.086	ug/l #	88
59) 2-Hexanone	11.194	43	621089	265.634	ug/l	94
60) Dibromochloromethane	11.359	129	99994	48.641	ug/l	100
61) 1,2-Dibromoethane	11.471	107	94024	50.656	ug/l	98
64) Tetrachloroethene	11.100	164	68094	37.816	ug/l	95
65) Chlorobenzene	11.894	112	271335	50.116	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	83423	47.411	ug/l	97
67) Ethyl Benzene	11.965	91	498728	49.532	ug/l	97
68) m/p-Xylenes	12.071	106	364135	101.387	ug/l	95
69) o-Xylene	12.400	106	176338	50.290	ug/l	93
70) Styrene	12.412	104	304772	50.245	ug/l	96
71) Bromoform	12.582	173	57023	41.221	ug/l #	98
73) Isopropylbenzene	12.700	105	457688	48.736	ug/l	97
74) N-amyl acetate	12.494	43	266840	51.035	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	147539	52.316	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	129517m	47.292	ug/l	
77) Bromobenzene	12.976	156	89627	45.607	ug/l	64
78) n-propylbenzene	13.035	91	559761	49.070	ug/l	94
79) 2-Chlorotoluene	13.124	91	328962	45.326	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	371601	46.760	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	58199	43.546	ug/l	83
82) 4-Chlorotoluene	13.224	91	328022	46.553	ug/l	94
83) tert-Butylbenzene	13.441	119	310927	46.982	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	378617	47.708	ug/l	97
85) sec-Butylbenzene	13.618	105	464247	49.801	ug/l	96
86) p-Isopropyltoluene	13.729	119	361419	48.286	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	169429	46.205	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	168130	46.561	ug/l	93
89) n-Butylbenzene	14.059	91	346969	49.801	ug/l	98
90) Hexachloroethane	14.335	117	68386	46.444	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	165011	46.942	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27986	40.761	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	82414	41.907	ug/l	97
94) Hexachlorobutadiene	15.500	225	27735	38.262	ug/l	94
95) Naphthalene	15.641	128	339062	45.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	84950	44.991	ug/l	99

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

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