

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083929.D
 Acq On : 16 Sep 2024 19:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:39:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	144974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107148	49.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.040%		
35) Dibromofluoromethane	8.165	113	76548	47.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	10.565	98	277095	49.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.840%		
62) 4-Bromofluorobenzene	12.847	95	106867	46.193	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	79712	47.345	ug/l	97
3) Chloromethane	2.359	50	80812	46.888	ug/l	96
4) Vinyl Chloride	2.512	62	85446	46.301	ug/l	98
5) Bromomethane	2.942	94	52858	49.886	ug/l	97
6) Chloroethane	3.112	64	56472	43.624	ug/l	97
7) Trichlorofluoromethane	3.501	101	144999	46.288	ug/l	99
8) Diethyl Ether	3.959	74	51471	49.018	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	79408	47.826	ug/l	99
10) Methyl Iodide	4.589	142	102176	48.387	ug/l	92
11) Tert butyl alcohol	5.518	59	92804	317.034	ug/l	100
12) 1,1-Dichloroethene	4.342	96	73964	47.170	ug/l	97
13) Acrolein	4.177	56	73267	253.674	ug/l	94
14) Allyl chloride	5.024	41	123990	44.377	ug/l	92
15) Acrylonitrile	5.718	53	211624	265.835	ug/l	99
16) Acetone	4.430	43	192737	219.940	ug/l	94
17) Carbon Disulfide	4.712	76	185815	42.363	ug/l	99
18) Methyl Acetate	5.024	43	104170	57.325	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	287245	50.623	ug/l	98
20) Methylene Chloride	5.271	84	84987	47.392	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	77085	45.871	ug/l	89
22) Diisopropyl ether	6.671	45	291276	50.642	ug/l	98
23) Vinyl Acetate	6.600	43	1088771	258.492	ug/l	99
24) 1,1-Dichloroethane	6.571	63	160371	48.397	ug/l	99
25) 2-Butanone	7.483	43	300410	260.823	ug/l	99
26) 2,2-Dichloropropane	7.489	77	133203	43.650	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	97216	48.733	ug/l	99
28) Bromochloromethane	7.812	49	72251	51.776	ug/l	96
29) Tetrahydrofuran	7.836	42	191183	280.723	ug/l	97
30) Chloroform	7.965	83	171683	48.803	ug/l	96
31) Cyclohexane	8.259	56	132024	41.788	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	156650	48.428	ug/l	97
36) 1,1-Dichloropropene	8.371	75	115120	47.153	ug/l	99
37) Ethyl Acetate	7.559	43	118010	53.252	ug/l	99
38) Carbon Tetrachloride	8.365	117	136501	49.283	ug/l	97
39) Methylcyclohexane	9.600	83	125031	44.993	ug/l	98
40) Benzene	8.606	78	350934	47.757	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	69222	52.813	ug/l	99
42) 1,2-Dichloroethane	8.671	62	138243	50.347	ug/l	98
43) Isopropyl Acetate	8.688	43	223276	55.599	ug/l	100
44) Trichloroethene	9.353	130	82205	48.308	ug/l	97
45) 1,2-Dichloropropane	9.624	63	87150	49.070	ug/l	98
46) Dibromomethane	9.706	93	63287	50.874	ug/l	98
47) Bromodichloromethane	9.888	83	140309	52.115	ug/l	98
48) Methyl methacrylate	9.677	41	103243	54.188	ug/l	98
49) 1,4-Dioxane	9.694	88	35527	1133.499	ug/l #	98
51) 4-Methyl-2-Pentanone	10.441	43	634420	290.218	ug/l	98
52) Toluene	10.630	92	222846	49.579	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	139265	51.033	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	145228	50.663	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	84715	50.485	ug/l	98
56) Ethyl methacrylate	10.871	69	145237	56.256	ug/l	95
57) 1,3-Dichloropropane	11.159	76	147766	51.237	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	303337	326.081	ug/l	97
59) 2-Hexanone	11.194	43	462655	286.111	ug/l	98
60) Dibromochloromethane	11.359	129	102381	54.517	ug/l	99
61) 1,2-Dibromoethane	11.471	107	84707	50.616	ug/l	99
64) Tetrachloroethene	11.106	164	69750	46.527	ug/l	96
65) Chlorobenzene	11.888	112	236222	47.149	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	87718	50.504	ug/l	99
67) Ethyl Benzene	11.965	91	434446	48.813	ug/l	100
68) m/p-Xylenes	12.071	106	325079	98.380	ug/l	99
69) o-Xylene	12.394	106	157675	49.292	ug/l	98
70) Styrene	12.412	104	271374	51.693	ug/l	99
71) Bromoform	12.576	173	64772	55.341	ug/l #	100
73) Isopropylbenzene	12.694	105	418260	48.938	ug/l	99
74) N-amyl acetate	12.494	43	196039	53.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	123271	49.089	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	105564m	47.358	ug/l	
77) Bromobenzene	12.976	156	94643	46.004	ug/l	98
78) n-propylbenzene	13.035	91	491108	49.386	ug/l	99
79) 2-Chlorotoluene	13.123	91	303190	47.807	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	350788	48.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41229m	48.442	ug/l	
82) 4-Chlorotoluene	13.223	91	307538	48.323	ug/l	100
83) tert-Butylbenzene	13.435	119	306244	48.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	353893	48.892	ug/l	100
85) sec-Butylbenzene	13.618	105	415194	49.660	ug/l	100
86) p-Isopropyltoluene	13.729	119	348047	49.660	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	179636	46.267	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	179342	45.617	ug/l	99
89) n-Butylbenzene	14.053	91	305043	48.476	ug/l	99
90) Hexachloroethane	14.335	117	64543	45.812	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	175924	46.949	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27236	54.408	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	87448	43.490	ug/l	99
94) Hexachlorobutadiene	15.500	225	38395	44.962	ug/l	98
95) Naphthalene	15.641	128	308363	50.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	86414	44.967	ug/l	99

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

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