

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102623\
 Data File : VN079690.D
 Acq On : 26 Oct 2023 10:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2023
 Supervised By : Mahesh Dadoda 10/27/2023

Quant Time: Oct 27 01:17:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	250550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	419045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	389839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	199681	49.153	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.300%		
35) Dibromofluoromethane	8.171	113	160358	53.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.500%		
50) Toluene-d8	10.571	98	580725	53.296	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.600%		
62) 4-Bromofluorobenzene	12.853	95	201507	57.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	163107	45.430	ug/l	97
3) Chloromethane	2.365	50	190436	42.510	ug/l	98
4) Vinyl Chloride	2.518	62	218861	46.969	ug/l	97
5) Bromomethane	2.942	94	154097	55.243	ug/l	99
6) Chloroethane	3.112	64	143184	40.759	ug/l	98
7) Trichlorofluoromethane	3.495	101	265669	48.289	ug/l	97
8) Diethyl Ether	3.965	74	98814	50.380	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.377	101	155488	48.362	ug/l	100
10) Methyl Iodide	4.589	142	175252	62.817	ug/l	98
11) Tert butyl alcohol	5.524	59	124418	203.486	ug/l	99
12) 1,1-Dichloroethene	4.336	96	142712	48.209	ug/l	88
13) Acrolein	4.183	56	174739	287.013	ug/l	95
14) Allyl chloride	5.024	41	221267	46.318	ug/l #	91
15) Acrylonitrile	5.724	53	443631	250.265	ug/l	100
16) Acetone	4.430	43	439148	272.540	ug/l	94
17) Carbon Disulfide	4.712	76	380009	41.154	ug/l	99
18) Methyl Acetate	5.030	43	368575	46.735	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	502229	52.215	ug/l	92
20) Methylene Chloride	5.283	84	176482	50.016	ug/l #	82
21) trans-1,2-Dichloroethene	5.795	96	157340	45.507	ug/l #	81
22) Diisopropyl ether	6.677	45	563762	52.628	ug/l #	91
23) Vinyl Acetate	6.606	43	1553633	257.841	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	327885	50.013	ug/l	96
25) 2-Butanone	7.489	43	608295	254.353	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	265802	53.052	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	191610	51.013	ug/l	86
28) Bromochloromethane	7.818	49	156966	50.321	ug/l #	74
29) Tetrahydrofuran	7.841	42	389488	251.816	ug/l #	76
30) Chloroform	7.971	83	335769	50.690	ug/l	97
31) Cyclohexane	8.265	56	257592	44.701	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	285122	51.148	ug/l	95
36) 1,1-Dichloropropene	8.377	75	246561	54.553	ug/l	94
37) Ethyl Acetate	7.565	43	243561	54.157	ug/l #	90
38) Carbon Tetrachloride	8.365	117	242315	53.554	ug/l	99
39) Methylcyclohexane	9.606	83	230365	53.051	ug/l #	85
40) Benzene	8.612	78	729857	54.375	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	132641	56.101	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	261325	53.580	ug/l	98
43) Isopropyl Acetate	8.694	43	400767	50.865	ug/l #	90
44) Trichloroethene	9.359	130	167773	53.105	ug/l	98
45) 1,2-Dichloropropane	9.624	63	195591	55.305	ug/l #	88
46) Dibromomethane	9.712	93	127750	55.774	ug/l	95
47) Bromodichloromethane	9.888	83	264260	56.087	ug/l	99
48) Methyl methacrylate	9.683	41	185701	55.001	ug/l #	80
49) 1,4-Dioxane	9.700	88	60946	979.995	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1260370	283.376	ug/l	88
52) Toluene	10.635	92	449475	56.888	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	275577	58.039	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	298293	57.389	ug/l #	92
55) 1,1,2-Trichloroethane	11.018	97	179230	56.503	ug/l	94
56) Ethyl methacrylate	10.877	69	264241	60.623	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	312543	57.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	528673	316.710	ug/l	89
59) 2-Hexanone	11.200	43	926308	288.615	ug/l	88
60) Dibromochloromethane	11.365	129	190365	59.714	ug/l	99
61) 1,2-Dibromoethane	11.471	107	176428	56.046	ug/l	98
64) Tetrachloroethene	11.106	164	139547	52.035	ug/l	93
65) Chlorobenzene	11.894	112	459349	52.910	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	177813	55.937	ug/l	97
67) Ethyl Benzene	11.965	91	854249	56.611	ug/l	95
68) m/p-Xylenes	12.077	106	649584	118.476	ug/l	95
69) o-Xylene	12.406	106	306097	56.768	ug/l	90
70) Styrene	12.412	104	525773	61.731	ug/l	98
71) Bromoform	12.582	173	129212	55.539	ug/l #	99
73) Isopropylbenzene	12.700	105	806459	48.744	ug/l	99
74) N-amyl acetate	12.500	43	327775	48.325	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	271645	50.889	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	242010m	47.197	ug/l	
77) Bromobenzene	12.982	156	184512	45.482	ug/l	93
78) n-propylbenzene	13.041	91	964736	51.538	ug/l	97
79) 2-Chlorotoluene	13.129	91	576325	48.114	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	682713	52.329	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	83695	47.360	ug/l	86
82) 4-Chlorotoluene	13.224	91	561149	49.231	ug/l	100
83) tert-Butylbenzene	13.441	119	541950	50.701	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	708520	56.906	ug/l	99
85) sec-Butylbenzene	13.618	105	764649	51.286	ug/l	100
86) p-Isopropyltoluene	13.735	119	617793	54.013	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	333918	51.896	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	324417	48.830	ug/l	99
89) n-Butylbenzene	14.059	91	520090	56.942	ug/l	98
90) Hexachloroethane	14.335	117	123289	53.161	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	323045	51.471	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43928	45.916	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	109151	56.152	ug/l	97
94) Hexachlorobutadiene	15.506	225	77570	51.237	ug/l	100
95) Naphthalene	15.647	128	284000	47.845	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	112872	48.658	ug/l	97

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

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