

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079509.D
 Acq On : 11 Oct 2023 11:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 06:05:01 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	256486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	464135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	418789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214027	51.465	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.920%			
35) Dibromofluoromethane	8.171	113	170118	51.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.571	98	609354	50.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.853	95	205840	53.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	158747	43.193	ug/l	95
3) Chloromethane	2.365	50	192024	41.873	ug/l	99
4) Vinyl Chloride	2.518	62	205321	43.044	ug/l	96
5) Bromomethane	2.942	94	170617	59.749	ug/l	98
6) Chloroethane	3.112	64	144138	40.081	ug/l	100
7) Trichlorofluoromethane	3.495	101	246958	43.849	ug/l	97
8) Diethyl Ether	3.959	74	108268	53.923	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.377	101	138085	41.955	ug/l	98
10) Methyl Iodide	4.594	142	166550	58.317	ug/l	94
11) Tert butyl alcohol	5.518	59	168328	268.929	ug/l	99
12) 1,1-Dichloroethene	4.342	96	140156	46.250	ug/l	85
13) Acrolein	4.183	56	151077	242.405	ug/l	96
14) Allyl chloride	5.024	41	227860	46.594	ug/l	93
15) Acrylonitrile	5.724	53	457600	252.171	ug/l	98
16) Acetone	4.430	43	431003	261.295	ug/l	95
17) Carbon Disulfide	4.712	76	389873	41.245	ug/l	100
18) Methyl Acetate	5.030	43	368915	45.695	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	555647	56.432	ug/l	97
20) Methylene Chloride	5.277	84	181208	50.169	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	158586	44.806	ug/l #	82
22) Diisopropyl ether	6.677	45	583079	53.172	ug/l #	89
23) Vinyl Acetate	6.606	43	1705146	276.437	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	325155	48.449	ug/l	98
25) 2-Butanone	7.488	43	632062	258.175	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	248754	48.501	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	194718	50.640	ug/l	87
28) Bromochloromethane	7.812	49	156588	49.038	ug/l #	76
29) Tetrahydrofuran	7.841	42	411585	259.944	ug/l #	76
30) Chloroform	7.971	83	333314	49.155	ug/l	94
31) Cyclohexane	8.259	56	236382	40.071	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	269080	47.153	ug/l	94
36) 1,1-Dichloropropene	8.371	75	227972	45.540	ug/l	95
37) Ethyl Acetate	7.565	43	256890	51.572	ug/l #	90
38) Carbon Tetrachloride	8.365	117	226147	45.125	ug/l	99
39) Methylcyclohexane	9.606	83	217592	45.241	ug/l #	88
40) Benzene	8.612	78	728402	48.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	129336	49.388	ug/l	89
42) 1,2-Dichloroethane	8.677	62	265400	49.129	ug/l	99
43) Isopropyl Acetate	8.694	43	445359	51.033	ug/l #	88
44) Trichloroethene	9.359	130	166021	47.445	ug/l	99
45) 1,2-Dichloropropane	9.624	63	194946	49.768	ug/l	100
46) Dibromomethane	9.712	93	131157	51.698	ug/l	94
47) Bromodichloromethane	9.894	83	270145	51.766	ug/l	99
48) Methyl methacrylate	9.682	41	197027	52.687	ug/l #	82
49) 1,4-Dioxane	9.700	88	75270	1092.741	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1288065	261.468	ug/l	90
52) Toluene	10.635	92	436886	49.923	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	287212	54.613	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	311607	54.126	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	183576	52.251	ug/l	97
56) Ethyl methacrylate	10.876	69	286959	59.439	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	327151	53.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	551818	298.461	ug/l	90
59) 2-Hexanone	11.200	43	929792	261.557	ug/l	89
60) Dibromochloromethane	11.365	129	193836	54.896	ug/l	98
61) 1,2-Dibromoethane	11.471	107	182086	52.224	ug/l	100
64) Tetrachloroethene	11.106	164	131382	45.604	ug/l	90
65) Chlorobenzene	11.894	112	458372	49.147	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	175844	51.494	ug/l	96
67) Ethyl Benzene	11.965	91	819204	50.535	ug/l	96
68) m/p-Xylenes	12.076	106	616746	104.711	ug/l	94
69) o-Xylene	12.400	106	302973	52.304	ug/l	94
70) Styrene	12.412	104	513734	56.148	ug/l	98
71) Bromoform	12.582	173	130541	52.232	ug/l #	99
73) Isopropylbenzene	12.700	105	744689	45.403	ug/l	100
74) N-amyl acetate	12.500	43	352148	52.372	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	271294	51.277	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	240831m	47.378	ug/l	
77) Bromobenzene	12.982	156	182541	45.389	ug/l	95
78) n-propylbenzene	13.041	91	882838	47.574	ug/l	97
79) 2-Chlorotoluene	13.129	91	540730	45.537	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	617929	47.777	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	85882	49.022	ug/l	88
82) 4-Chlorotoluene	13.223	91	533466	47.211	ug/l	100
83) tert-Butylbenzene	13.441	119	491943	46.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	623117	50.484	ug/l	100
85) sec-Butylbenzene	13.617	105	693261	46.904	ug/l	99
86) p-Isopropyltoluene	13.735	119	569479	50.224	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	313486	49.146	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	310798	47.188	ug/l	99
89) n-Butylbenzene	14.059	91	469983	51.906	ug/l	98
90) Hexachloroethane	14.335	117	110499	47.960	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	310756	49.945	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44553	46.976	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	110527	57.357	ug/l	98
94) Hexachlorobutadiene	15.506	225	66036	43.999	ug/l	99
95) Naphthalene	15.647	128	323523	54.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	118076	51.346	ug/l	98

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

