

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074975.D
 Acq On : 21 Oct 2022 20:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 02:56:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	468814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	860130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	988262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	759233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	631559	50.703	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.400%			
35) Dibromofluoromethane	8.177	113	494908	48.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	10.571	98	2007488	51.107	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.853	95	787964	56.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	303509	41.415	ug/l	93
3) Chloromethane	2.377	50	424187	57.124	ug/l	94
4) Vinyl Chloride	2.524	62	593875	52.533	ug/l	95
5) Bromomethane	2.942	94	458543	50.121	ug/l	93
6) Chloroethane	3.118	64	455523	53.152	ug/l	96
7) Trichlorofluoromethane	3.501	101	603357	50.075	ug/l	93
8) Diethyl Ether	3.971	74	257545	46.355	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	350985	49.205	ug/l	98
10) Methyl Iodide	4.601	142	517515	49.371	ug/l	99
11) Tert butyl alcohol	5.542	59	633472	240.549	ug/l	100
12) 1,1-Dichloroethene	4.348	96	328862	51.255	ug/l	94
13) Acrolein	4.195	56	371087	289.973	ug/l	96
14) Allyl chloride	5.030	41	469430	41.153	ug/l	90
15) Acrylonitrile	5.736	53	1334562	250.523	ug/l	99
16) Acetone	4.442	43	1095464	258.257	ug/l	98
17) Carbon Disulfide	4.724	76	625468	47.403	ug/l	98
18) Methyl Acetate	5.042	43	773275	48.883	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	1517401	50.171	ug/l	95
20) Methylene Chloride	5.289	84	425340	50.756	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	375933	49.689	ug/l	87
22) Diisopropyl ether	6.689	45	1303077	49.920	ug/l	99
23) Vinyl Acetate	6.618	43	5401988m	262.896	ug/l	
24) 1,1-Dichloroethane	6.583	63	797483	49.408	ug/l	98
25) 2-Butanone	7.494	43	1821079	239.995	ug/l	95
26) 2,2-Dichloropropane	7.500	77	645287	42.302	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	495791	47.382	ug/l	97
28) Bromochloromethane	7.824	49	342232	50.884	ug/l	97
29) Tetrahydrofuran	7.847	42	1183840	252.962	ug/l	100
30) Chloroform	7.971	83	882858	48.407	ug/l	99
31) Cyclohexane	8.265	56	550267	43.240	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	764390	46.579	ug/l	99
36) 1,1-Dichloropropene	8.377	75	569070	44.137	ug/l	98
37) Ethyl Acetate	7.571	43	706839	46.558	ug/l	99
38) Carbon Tetrachloride	8.371	117	639055	45.532	ug/l	96
39) Methylcyclohexane	9.606	83	671418	43.952	ug/l	97
40) Benzene	8.612	78	1816590	45.702	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	361084	47.386	ug/l	98
42) 1,2-Dichloroethane	8.677	62	702605	46.696	ug/l	99
43) Isopropyl Acetate	8.694	43	1165908	49.513	ug/l	99
44) Trichloroethene	9.359	130	436078	44.699	ug/l	94
45) 1,2-Dichloropropane	9.624	63	487008	47.537	ug/l	94
46) Dibromomethane	9.712	93	343314	45.826	ug/l	99
47) Bromodichloromethane	9.894	83	721495	47.673	ug/l	97
48) Methyl methacrylate	9.683	41	502698	48.823	ug/l	98
49) 1,4-Dioxane	9.700	88	284957	957.214	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	3923213	251.523	ug/l	100
52) Toluene	10.630	92	1253535	48.330	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	782064	52.378	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	787050	47.666	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	544776	50.052	ug/l	98
56) Ethyl methacrylate	10.877	69	865915	52.830	ug/l	95
57) 1,3-Dichloropropane	11.165	76	896435	48.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1659313	225.471	ug/l	100
59) 2-Hexanone	11.200	43	3035446	256.606	ug/l	99
60) Dibromochloromethane	11.359	129	600776	52.579	ug/l	97
61) 1,2-Dibromoethane	11.471	107	557044	50.758	ug/l	98
64) Tetrachloroethene	11.106	164	335669	41.536	ug/l	96
65) Chlorobenzene	11.894	112	1390156	46.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	534155	47.427	ug/l	98
67) Ethyl Benzene	11.965	91	2539280	47.860	ug/l	99
68) m/p-Xylenes	12.077	106	2026606	97.963	ug/l	100
69) o-Xylene	12.400	106	1026803	49.548	ug/l	99
70) Styrene	12.412	104	1735266	52.830	ug/l	99
71) Bromoform	12.582	173	423744	49.851	ug/l #	100
73) Isopropylbenzene	12.700	105	2672180	43.089	ug/l	99
74) N-amyl acetate	12.494	43	1088814	43.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	961080	41.497	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	937677m	45.541	ug/l	
77) Bromobenzene	12.982	156	599958	42.188	ug/l	96
78) n-propylbenzene	13.035	91	3203388	44.136	ug/l	100
79) 2-Chlorotoluene	13.129	91	1920341	42.713	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	2373740	44.313	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	327306	50.968	ug/l	88
82) 4-Chlorotoluene	13.129	91	1920341	42.713	ug/l	98
83) tert-Butylbenzene	13.441	119	2099348	44.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	2480269	45.842	ug/l	98
85) sec-Butylbenzene	13.618	105	3093882	46.484	ug/l	100
86) p-Isopropyltoluene	13.729	119	2558381	46.672	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1262991	46.419	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	1273370	46.161	ug/l	98
89) n-Butylbenzene	14.059	91	2246669	47.996	ug/l	100
90) Hexachloroethane	14.335	117	472297	44.470	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	1243944	44.603	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	206971	43.010	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	549258	45.256	ug/l	97
94) Hexachlorobutadiene	15.500	225	248205	39.612	ug/l	99
95) Naphthalene	15.641	128	2389128	51.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	555746	45.498	ug/l	100

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

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