

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075637.D
 Acq On : 08 Dec 2022 09:43
 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 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 02:03:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	193914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	287810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	51343	49.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.660%		
35) Dibromofluoromethane	8.171	113	67541	55.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.960%		
50) Toluene-d8	10.571	98	143092	52.655	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.300%		
62) 4-Bromofluorobenzene	12.853	95	117533	58.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	75055	50.618	ug/l	98
3) Chloromethane	2.371	50	85945	46.582	ug/l	96
4) Vinyl Chloride	2.524	62	110109	47.353	ug/l	94
5) Bromomethane	2.918	94	108237	52.934	ug/l	95
6) Chloroethane	3.106	64	83346	47.304	ug/l	93
7) Trichlorofluoromethane	3.495	101	160196	48.225	ug/l	99
8) Diethyl Ether	3.965	74	65454	56.219	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	94923	51.762	ug/l	91
10) Methyl Iodide	4.595	142	168166	56.592	ug/l	95
11) Tert butyl alcohol	5.536	59	88379	202.259	ug/l	98
12) 1,1-Dichloroethene	4.348	96	91942	51.200	ug/l	89
13) Acrolein	4.189	56	94182	247.416	ug/l	98
14) Allyl chloride	5.030	41	111706	48.091	ug/l #	93
15) Acrylonitrile	5.730	53	230495	229.919	ug/l	97
16) Acetone	4.442	43	221701	228.344	ug/l	94
17) Carbon Disulfide	4.718	76	227864	48.826	ug/l	100
18) Methyl Acetate	5.036	43	122391	50.003	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	338284	53.178	ug/l	98
20) Methylene Chloride	5.283	84	110217	56.138	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	102296	49.986	ug/l	94
22) Diisopropyl ether	6.677	45	286762	54.099	ug/l	97
23) Vinyl Acetate	6.612	43	976749	231.620	ug/l	98
24) 1,1-Dichloroethane	6.577	63	179339	52.710	ug/l	95
25) 2-Butanone	7.488	43	303843	224.154	ug/l	97
26) 2,2-Dichloropropane	7.500	77	152277	48.157	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	126561	54.691	ug/l	92
28) Bromochloromethane	7.818	49	72678	52.624	ug/l	84
29) Tetrahydrofuran	7.841	42	188185	228.238	ug/l	98
30) Chloroform	7.971	83	203790	52.158	ug/l	97
31) Cyclohexane	8.259	56	147756	44.678	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	177443	50.017	ug/l	96
36) 1,1-Dichloropropene	8.377	75	140417	53.365	ug/l	97
37) Ethyl Acetate	7.565	43	114653	48.392	ug/l	98
38) Carbon Tetrachloride	8.365	117	159598	55.215	ug/l	99
39) Methylcyclohexane	9.606	83	180465	54.800	ug/l	95
40) Benzene	8.612	78	445690	55.323	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	63546	52.461	ug/l	99
42) 1,2-Dichloroethane	8.677	62	151788	56.257	ug/l	96
43) Isopropyl Acetate	8.694	43	213891	56.243	ug/l	98
44) Trichloroethene	9.353	130	124309	56.392	ug/l	92
45) 1,2-Dichloropropane	9.624	63	108612	56.574	ug/l	96
46) Dibromomethane	9.712	93	82100	56.538	ug/l #	88
47) Bromodichloromethane	9.888	83	162887	57.924	ug/l	99
48) Methyl methacrylate	9.682	41	92957	52.862	ug/l	95
49) 1,4-Dioxane	9.694	88	47482	950.918	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	617016	254.735	ug/l	97
52) Toluene	10.629	92	303067	58.378	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	172292	61.029	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	188528	61.486	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	120230	56.861	ug/l	96
56) Ethyl methacrylate	10.876	69	170423	59.682	ug/l	98
57) 1,3-Dichloropropane	11.165	76	193871	56.232	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	276935	268.907	ug/l	96
59) 2-Hexanone	11.200	43	463570	254.872	ug/l	97
60) Dibromochloromethane	11.359	129	138954	64.023	ug/l	99
61) 1,2-Dibromoethane	11.471	107	125542	57.204	ug/l	99
64) Tetrachloroethene	11.106	164	108697	49.456	ug/l	92
65) Chlorobenzene	11.894	112	332439	55.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	127517	57.483	ug/l	99
67) Ethyl Benzene	11.965	91	585176	57.707	ug/l	98
68) m/p-Xylenes	12.071	106	478903	116.298	ug/l	99
69) o-Xylene	12.400	106	237355	58.013	ug/l	96
70) Styrene	12.412	104	392479	60.809	ug/l	98
71) Bromoform	12.582	173	104376	61.821	ug/l #	98
73) Isopropylbenzene	12.700	105	605641	52.686	ug/l	98
74) N-amyl acetate	12.500	43	192636	54.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	174019	49.654	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	153351m	51.548	ug/l	
77) Bromobenzene	12.982	156	153160	53.969	ug/l	83
78) n-propylbenzene	13.041	91	686529	53.514	ug/l	98
79) 2-Chlorotoluene	13.129	91	409592	52.990	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	524185	54.886	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	53257	52.968	ug/l	92
82) 4-Chlorotoluene	13.129	91	409592	52.990	ug/l	96
83) tert-Butylbenzene	13.441	119	460329	52.864	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	530431	55.370	ug/l	98
85) sec-Butylbenzene	13.617	105	652084	55.190	ug/l	100
86) p-Isopropyltoluene	13.735	119	567649	57.103	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	294871	54.839	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	293815	53.792	ug/l	98
89) n-Butylbenzene	14.059	91	470591	56.050	ug/l	99
90) Hexachloroethane	14.335	117	96749	56.416	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	289088	55.156	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31616	47.623	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	161014	59.946	ug/l	98
94) Hexachlorobutadiene	15.506	225	80915	57.835	ug/l	99
95) Naphthalene	15.647	128	441877	52.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	152432	57.742	ug/l	98

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

