

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071087.D
 Acq On : 28 Feb 2022 11:01
 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 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Feb 28 16:05:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	614690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	963681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	889584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	374741	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	396555	56.476	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.960%	
35) Dibromofluoromethane	8.016	113	315092	54.971	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.940%	
50) Toluene-d8	10.433	98	1244946	54.083	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.160%	
62) 4-Bromofluorobenzene	12.727	95	435905	52.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	306263	47.970	ug/l	98
3) Chloromethane	2.299	50	408257	50.874	ug/l	100
4) Vinyl Chloride	2.446	62	382420	47.605	ug/l	100
5) Bromomethane	2.840	94	216909	47.532	ug/l	99
6) Chloroethane	3.010	64	253217	48.047	ug/l	100
7) Trichlorofluoromethane	3.375	101	529172	52.564	ug/l	98
8) Diethyl Ether	3.822	74	230690	52.712	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	314985	50.996	ug/l	95
10) Methyl Iodide	4.422	142	430854	50.367	ug/l	99
11) Tert butyl alcohol	5.357	59	340799	266.319	ug/l	98
12) 1,1-Dichloroethene	4.187	96	293633	48.794	ug/l	93
13) Acrolein	4.034	56	304992	266.723	ug/l	100
14) Allyl chloride	4.840	41	633427	55.191	ug/l	86
15) Acrylonitrile	5.546	53	1088717	288.838	ug/l	99
16) Acetone	4.281	43	973709	251.799	ug/l	96
17) Carbon Disulfide	4.534	76	749866	43.452	ug/l	98
18) Methyl Acetate	4.851	43	505666	59.839	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1189134	56.331	ug/l	95
20) Methylene Chloride	5.093	84	367529	52.296	ug/l	91
21) trans-1,2-Dichloroethene	5.598	96	322933	49.997	ug/l	90
22) Diisopropyl ether	6.487	45	1335627	60.677	ug/l	94
23) Vinyl Acetate	6.428	43	5614426	301.309	ug/l	98
24) 1,1-Dichloroethane	6.381	63	687103	55.683	ug/l	99
25) 2-Butanone	7.328	43	1474106	286.555	ug/l	96
26) 2,2-Dichloropropane	7.322	77	557374	54.349	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	394135	53.092	ug/l	90
28) Bromochloromethane	7.651	49	295169	59.101	ug/l	85
29) Tetrahydrofuran	7.675	42	990446	297.205	ug/l	93
30) Chloroform	7.810	83	657811	54.202	ug/l	100
31) Cyclohexane	8.087	56	641543	52.829	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	560960	53.523	ug/l	97
36) 1,1-Dichloropropene	8.216	75	486407	51.795	ug/l	98
37) Ethyl Acetate	7.404	43	602499	59.823	ug/l	98
38) Carbon Tetrachloride	8.198	117	484705	52.384	ug/l	99
39) Methylcyclohexane	9.457	83	612619	50.697	ug/l	95
40) Benzene	8.451	78	1502152	54.076	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	307879	58.042	ug/l #	90
42) 1,2-Dichloroethane	8.522	62	520510	55.018	ug/l	98
43) Isopropyl Acetate	8.551	43	948008	59.718	ug/l	98
44) Trichloroethene	9.210	130	365167	49.922	ug/l	100
45) 1,2-Dichloropropane	9.481	63	406955	57.192	ug/l	100
46) Dibromomethane	9.569	93	247200	52.790	ug/l	98
47) Bromodichloromethane	9.757	83	524869	55.460	ug/l	99
48) Methyl methacrylate	9.551	41	462617	61.567	ug/l #	82
49) 1,4-Dioxane	9.563	88	150589	1128.354	ug/l	88
51) 4-Methyl-2-Pentanone	10.322	43	2931119	303.472	ug/l	99
52) Toluene	10.498	92	939625	53.831	ug/l	96
53) t-1,3-Dichloropropene	10.710	75	569309	55.323	ug/l	97
54) cis-1,3-Dichloropropene	10.181	75	633799	56.082	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	370204	54.183	ug/l	97
56) Ethyl methacrylate	10.751	69	609765	59.233	ug/l	89
57) 1,3-Dichloropropane	11.039	76	659780	55.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.034	63	505771	224.578	ug/l	95
59) 2-Hexanone	11.080	43	2011149	302.759	ug/l	99
60) Dibromochloromethane	11.233	129	392145	54.309	ug/l	100
61) 1,2-Dibromoethane	11.339	107	373007	53.673	ug/l	99
64) Tetrachloroethene	10.969	164	312171	45.059	ug/l	98
65) Chlorobenzene	11.763	112	988608	51.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	372481	53.306	ug/l	99
67) Ethyl Benzene	11.839	91	1808828	53.914	ug/l	98
68) m/p-Xylenes	11.945	106	1382808	106.702	ug/l	99
69) o-Xylene	12.275	106	678936	53.630	ug/l	98
70) Styrene	12.286	104	1095701	54.432	ug/l	98
71) Bromoform	12.451	173	293196	52.685	ug/l #	100
73) Isopropylbenzene	12.575	105	1781106	59.048	ug/l	99
74) N-amyl acetate	12.380	43	622702	64.583	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	562016	58.634	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	472038m	53.499	ug/l	
77) Bromobenzene	12.857	156	413279	55.969	ug/l	86
78) n-propylbenzene	12.916	91	1992366	58.789	ug/l	97
79) 2-Chlorotoluene	13.004	91	1210090	58.797	ug/l	94
80) 1,3,5-Trimethylbenzene	13.051	105	1433306	58.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	168548	61.901	ug/l	89
82) 4-Chlorotoluene	13.098	91	1153376	57.732	ug/l	95
83) tert-Butylbenzene	13.316	119	1319442	56.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1399232	58.167	ug/l	100
85) sec-Butylbenzene	13.492	105	1770234	57.969	ug/l	99
86) p-Isopropyltoluene	13.610	119	1433004	57.163	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	701438	53.662	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	672481	52.509	ug/l	98
89) n-Butylbenzene	13.939	91	1079624	52.786	ug/l	96
90) Hexachloroethane	14.204	117	267168	59.676	ug/l	90
91) 1,2-Dichlorobenzene	13.980	146	671908	54.741	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	86513	55.707	ug/l	91
93) 1,2,4-Trichlorobenzene	15.257	180	293445	42.832	ug/l	99
94) Hexachlorobutadiene	15.363	225	200737	44.847	ug/l	99
95) Naphthalene	15.498	128	627168	38.688	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	267970	42.528	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

