

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072831.D
 Acq On : 14 Jun 2022 13:22
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 14 14:07:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 14 14:06:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	298869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	542776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	486315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	176877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	86370	11.267	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	22.540%#		
35) Dibromofluoromethane	8.016	113	63806	12.745	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	25.480%#		
50) Toluene-d8	10.439	98	259237	12.896	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	25.800%#		
62) 4-Bromofluorobenzene	12.727	95	82534	11.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	23.340%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	47574	10.991	ug/l	97
3) Chloromethane	2.293	50	52281	10.307	ug/l	92
4) Vinyl Chloride	2.434	62	44353	9.027	ug/l	95
5) Bromomethane	2.846	94	20116	10.351	ug/l	96
6) Chloroethane	3.010	64	26931	7.581	ug/l	97
7) Trichlorofluoromethane	3.363	101	87525	11.300	ug/l	95
8) Diethyl Ether	3.822	74	40875	13.260	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.199	101	52074	12.041	ug/l	94
10) Methyl Iodide	4.422	142	50412	16.473	ug/l	98
11) Tert butyl alcohol	5.363	59	92422	12.206	ug/l	100
12) 1,1-Dichloroethene	4.175	96	49467	12.615	ug/l	96
13) Acrolein	4.040	56	19752	50.453	ug/l	97
14) Allyl chloride	4.840	41	110806	12.136	ug/l #	95
15) Acrylonitrile	5.551	53	246108	67.051	ug/l	99
16) Acetone	4.281	43	222685	62.181	ug/l	94
17) Carbon Disulfide	4.528	76	93301	9.927	ug/l	100
18) Methyl Acetate	4.846	43	123113	13.065	ug/l	90
19) Methyl tert-butyl Ether	5.616	73	213928	11.824	ug/l	100
20) Methylene Chloride	5.093	84	66695	11.670	ug/l	88
21) trans-1,2-Dichloroethene	5.598	96	53154	12.041	ug/l	95
22) Diisopropyl ether	6.492	45	246872	12.992	ug/l	96
23) Vinyl Acetate	6.428	43	1074088	62.731	ug/l	95
24) 1,1-Dichloroethane	6.381	63	118409	11.938	ug/l	98
25) 2-Butanone	7.328	43	367386	65.577	ug/l	94
26) 2,2-Dichloropropane	7.322	77	90555	9.968	ug/l	99
27) cis-1,2-Dichloroethene	7.316	96	71916	12.949	ug/l	95
28) Bromochloromethane	7.651	49	62146	13.111	ug/l #	81
29) Tetrahydrofuran	7.681	42	237725	68.391	ug/l	87
30) Chloroform	7.816	83	123883	12.086	ug/l	98
31) Cyclohexane	8.092	56	99573	12.157	ug/l	89
32) 1,1,1-Trichloroethane	8.010	97	100494	11.139	ug/l	95
36) 1,1-Dichloropropene	8.216	75	79081	11.241	ug/l	98
37) Ethyl Acetate	7.410	43	140380	12.966	ug/l	95
38) Carbon Tetrachloride	8.204	117	81551	11.116	ug/l	93
39) Methylcyclohexane	9.457	83	91842	11.511	ug/l	95
40) Benzene	8.457	78	264268	12.614	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	71810	13.893	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	99849	11.183	ug/l	97
43) Isopropyl Acetate	8.557	43	209651	12.591	ug/l	93
44) Trichloroethene	9.216	130	63363	13.249	ug/l	96
45) 1,2-Dichloropropane	9.486	63	73523	12.494	ug/l	97
46) Dibromomethane	9.575	93	48561	12.397	ug/l	89
47) Bromodichloromethane	9.757	83	99052	12.194	ug/l	97
48) Methyl methacrylate	9.557	41	99719	12.825	ug/l	88
49) 1,4-Dioxane	9.569	88	37353	283.101	ug/l #	89
51) 4-Methyl-2-Pentanone	10.328	43	732089	66.499	ug/l	90
52) Toluene	10.504	92	164053	12.354	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	103768	12.057	ug/l	91
54) cis-1,3-Dichloropropene	10.186	75	112449	12.245	ug/l #	88
55) 1,1,2-Trichloroethane	10.892	97	73944	13.121	ug/l	97
56) Ethyl methacrylate	10.757	69	125817	12.854	ug/l #	86
57) 1,3-Dichloropropane	11.039	76	127719	12.659	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.039	63	272581	66.484	ug/l	94
59) 2-Hexanone	11.080	43	533701	65.576	ug/l	89
60) Dibromochloromethane	11.233	129	72842	12.538	ug/l	100
61) 1,2-Dibromoethane	11.345	107	73120	12.872	ug/l	96
64) Tetrachloroethene	10.975	164	56928	15.806	ug/l	94
65) Chlorobenzene	11.769	112	174682	14.286	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	66991	14.454	ug/l	97
67) Ethyl Benzene	11.839	91	318421	14.018	ug/l	99
68) m/p-Xylenes	11.951	106	232497	28.525	ug/l	95
69) o-Xylene	12.274	106	119109	14.535	ug/l	96
70) Styrene	12.292	104	187284	14.336	ug/l	98
71) Bromoform	12.457	173	48445	14.254	ug/l #	97
73) Isopropylbenzene	12.574	105	310472	17.528	ug/l	98
74) N-amyl acetate	12.386	43	144430	17.052	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.821	83	112193	17.970	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	107674m	18.078	ug/l	
77) Bromobenzene	12.857	156	68199	18.895	ug/l	84
78) n-propylbenzene	12.916	91	332957	16.937	ug/l	97
79) 2-Chlorotoluene	13.004	91	208589	16.859	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	248052	17.362	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	30610	15.864	ug/l	90
82) 4-Chlorotoluene	13.104	91	194020	16.807	ug/l	96
83) tert-Butylbenzene	13.321	119	221937	17.395	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	234916	17.122	ug/l	97
85) sec-Butylbenzene	13.498	105	298489	17.475	ug/l	98
86) p-Isopropyltoluene	13.610	119	228976	17.216	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	111092	18.043	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	109093	17.956	ug/l	96
89) n-Butylbenzene	13.939	91	180917	16.087	ug/l	98
90) Hexachloroethane	14.204	117	45069	15.937	ug/l	83
91) 1,2-Dichlorobenzene	13.986	146	115653	18.911	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.604	75	22841	16.852	ug/l	89
93) 1,2,4-Trichlorobenzene	15.262	180	52531	18.870	ug/l	97
94) Hexachlorobutadiene	15.362	225	25004	18.663	ug/l	98
95) Naphthalene	15.504	128	201723	18.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	55456	19.214	ug/l	98

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

