

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041322\
 Data File : VN071970.D
 Acq On : 13 Apr 2022 11:32
 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 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 02:29:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	500765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	766735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	714568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	302228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	268676	46.997	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.000%		
35) Dibromofluoromethane	8.016	113	231973	51.415	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.820%		
50) Toluene-d8	10.439	98	903237	48.938	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.880%		
62) 4-Bromofluorobenzene	12.727	95	311080	52.114	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	274889	69.048	ug/l	99
3) Chloromethane	2.298	50	283950	56.286	ug/l	98
4) Vinyl Chloride	2.440	62	289363	52.231	ug/l	99
5) Bromomethane	2.828	94	187530	52.072	ug/l	100
6) Chloroethane	2.998	64	191953	48.163	ug/l	99
7) Trichlorofluoromethane	3.369	101	403326	57.222	ug/l	100
8) Diethyl Ether	3.822	74	175597	58.949	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	244078	56.193	ug/l	98
10) Methyl Iodide	4.422	142	352625	58.077	ug/l	100
11) Tert butyl alcohol	5.363	59	236937	255.390	ug/l	99
12) 1,1-Dichloroethene	4.181	96	236942	57.325	ug/l	96
13) Acrolein	4.034	56	272528	240.919	ug/l	99
14) Allyl chloride	4.834	41	364618	54.350	ug/l	94
15) Acrylonitrile	5.545	53	797557	295.759	ug/l	98
16) Acetone	4.281	43	557099	228.024	ug/l #	88
17) Carbon Disulfide	4.528	76	599968	63.263	ug/l	100
18) Methyl Acetate	4.845	43	331590	54.958	ug/l	98
19) Methyl tert-butyl Ether	5.610	73	879270	57.261	ug/l	97
20) Methylene Chloride	5.092	84	291985	56.701	ug/l	97
21) trans-1,2-Dichloroethene	5.592	96	260759	57.468	ug/l	96
22) Diisopropyl ether	6.492	45	803833	55.038	ug/l	95
23) Vinyl Acetate	6.428	43	3414971	294.036	ug/l	98
24) 1,1-Dichloroethane	6.381	63	480844	56.082	ug/l	99
25) 2-Butanone	7.328	43	946049	268.602	ug/l	96
26) 2,2-Dichloropropane	7.322	77	374694	50.872	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	318752	57.286	ug/l	95
28) Bromochloromethane	7.651	49	174785	50.536	ug/l	93
29) Tetrahydrofuran	7.681	42	626254	274.599	ug/l	95
30) Chloroform	7.816	83	495853	54.771	ug/l	100
31) Cyclohexane	8.092	56	434536	55.892	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	417728	53.935	ug/l	97
36) 1,1-Dichloropropene	8.216	75	364846	57.907	ug/l	100
37) Ethyl Acetate	7.410	43	379157	54.981	ug/l	96
38) Carbon Tetrachloride	8.204	117	355749	57.612	ug/l	95
39) Methylcyclohexane	9.457	83	471996	62.933	ug/l	99
40) Benzene	8.457	78	1169183	58.744	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	182963	54.185	ug/l	95
42) 1,2-Dichloroethane	8.527	62	379660	55.143	ug/l	96
43) Isopropyl Acetate	8.557	43	583992	50.913	ug/l	96
44) Trichloroethene	9.210	130	297686	58.055	ug/l	99
45) 1,2-Dichloropropane	9.486	63	290959	58.517	ug/l	99
46) Dibromomethane	9.574	93	198718	58.863	ug/l	98
47) Bromodichloromethane	9.757	83	391812	58.960	ug/l	98
48) Methyl methacrylate	9.557	41	281572	59.168	ug/l	91
49) 1,4-Dioxane	9.563	88	125468	1112.891	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	1925652	291.993	ug/l	96
52) Toluene	10.498	92	754840	59.997	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	426153	61.187	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	473520	61.532	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	305809	59.060	ug/l	98
56) Ethyl methacrylate	10.757	69	479019	64.849	ug/l #	90
57) 1,3-Dichloropropane	11.039	76	510964	59.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	545871	240.714	ug/l	99
59) 2-Hexanone	11.080	43	1361271	293.180	ug/l	94
60) Dibromochloromethane	11.233	129	318523	63.088	ug/l	100
61) 1,2-Dibromoethane	11.339	107	313059	61.421	ug/l	98
64) Tetrachloroethene	10.974	164	267101	56.607	ug/l	98
65) Chlorobenzene	11.763	112	810089	56.617	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	298996	57.911	ug/l	98
67) Ethyl Benzene	11.839	91	1413233	58.345	ug/l	99
68) m/p-Xylenes	11.951	106	1117923	120.121	ug/l	99
69) o-Xylene	12.274	106	546969	59.212	ug/l	98
70) Styrene	12.286	104	892348	63.757	ug/l	98
71) Bromoform	12.451	173	247714	63.003	ug/l	99
73) Isopropylbenzene	12.574	105	1392603	54.681	ug/l	99
74) N-amyl acetate	12.380	43	400719	54.915	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	441945	52.009	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	385990m	55.131	ug/l	
77) Bromobenzene	12.857	156	343768	53.845	ug/l	98
78) n-propylbenzene	12.915	91	1520310	56.749	ug/l	100
79) 2-Chlorotoluene	13.004	91	928731	54.056	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	1125618	55.783	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	128179	56.735	ug/l	95
82) 4-Chlorotoluene	13.098	91	876667	55.049	ug/l	99
83) tert-Butylbenzene	13.315	119	1015612	55.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	1110056	56.382	ug/l	99
85) sec-Butylbenzene	13.498	105	1361576	56.943	ug/l	99
86) p-Isopropyltoluene	13.610	119	1120894	58.793	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	566160	55.663	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	546713	55.095	ug/l	98
89) n-Butylbenzene	13.939	91	812388	57.451	ug/l	99
90) Hexachloroethane	14.204	117	197767	56.667	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	545260	54.606	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	74038	56.172	ug/l	96
93) 1,2,4-Trichlorobenzene	15.256	180	260559	53.997	ug/l	99
94) Hexachlorobutadiene	15.362	225	151651	51.494	ug/l	100
95) Naphthalene	15.504	128	765181	55.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	264759	56.493	ug/l	99

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

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