

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073062.D
 Acq On : 23 Jun 2022 20:44
 Operator : JC\MD
 Sample : VN0623WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0623WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 01:21:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	177035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	358324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	300029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	121109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	195484	81.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 163.340%#			
35) Dibromofluoromethane	7.951	113	144343	65.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.340%#			
50) Toluene-d8	10.375	98	428608	52.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.669	95	155150	52.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	22392	13.284	ug/l	98
3) Chloromethane	2.269	50	40901	22.886	ug/l	99
4) Vinyl Chloride	2.410	62	32232	21.323	ug/l	98
5) Bromomethane	2.805	94	13209	22.198	ug/l	95
6) Chloroethane	2.969	64	25448	26.909	ug/l	97
7) Trichlorofluoromethane	3.316	101	46511	18.894	ug/l	92
8) Diethyl Ether	3.769	74	38639	30.414	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.151	101	22688	13.333	ug/l	97
10) Methyl Iodide	4.357	142	29398	15.073	ug/l	95
11) Tert butyl alcohol	5.298	59	95990	155.257	ug/l	100
12) 1,1-Dichloroethene	4.116	96	33328	19.663	ug/l	96
13) Acrolein	3.987	56	28984	119.031	ug/l	95
14) Allyl chloride	4.763	41	90451	24.977	ug/l #	92
15) Acrylonitrile	5.475	53	221343	155.303	ug/l	99
16) Acetone	4.228	43	206784	157.170	ug/l	93
17) Carbon Disulfide	4.457	76	68156	15.694	ug/l	95
18) Methyl Acetate	4.781	43	117785	33.619	ug/l #	89
19) Methyl tert-butyl Ether	5.540	73	205663	32.308	ug/l	98
20) Methylene Chloride	5.022	84	58905	28.762	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	39835	21.606	ug/l	95
22) Diisopropyl ether	6.416	45	209612	31.049	ug/l	93
23) Vinyl Acetate	6.351	43	996841	159.958	ug/l	94
24) 1,1-Dichloroethane	6.304	63	99127	28.007	ug/l	99
25) 2-Butanone	7.263	43	328167	157.185	ug/l	90
26) 2,2-Dichloropropane	7.245	77	54505	18.184	ug/l	98
27) cis-1,2-Dichloroethene	7.251	96	57942	26.304	ug/l	98
28) Bromochloromethane	7.587	49	42999	29.376	ug/l	87
29) Tetrahydrofuran	7.610	42	216877	157.308	ug/l	88
30) Chloroform	7.745	83	102537	28.617	ug/l	100
31) Cyclohexane	8.022	56	41070	12.685	ug/l #	89
32) 1,1,1-Trichloroethane	7.939	97	69925	22.239	ug/l	99
36) 1,1-Dichloropropene	8.151	75	45774	15.274	ug/l	100
37) Ethyl Acetate	7.340	43	125511	26.184	ug/l	97
38) Carbon Tetrachloride	8.134	117	49023	15.552	ug/l	97
39) Methylcyclohexane	9.392	83	38244	10.587	ug/l #	89
40) Benzene	8.392	78	201880	21.435	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	61008	26.839	ug/l	89
42) 1,2-Dichloroethane	8.463	62	89510	26.758	ug/l	97
43) Isopropyl Acetate	8.492	43	186280	27.186	ug/l	95
44) Trichloroethene	9.145	130	41393	17.343	ug/l	99
45) 1,2-Dichloropropane	9.428	63	59831	24.853	ug/l	99
46) Dibromomethane	9.510	93	42645	26.198	ug/l	94
47) Bromodichloromethane	9.698	83	82207	25.411	ug/l	99
48) Methyl methacrylate	9.492	41	88728	28.362	ug/l	89
49) 1,4-Dioxane	9.510	88	35255	500.848	ug/l #	97
51) 4-Methyl-2-Pentanone	10.269	43	623590	139.560	ug/l	91
52) Toluene	10.439	92	110800	19.162	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	82865	23.817	ug/l	94
54) cis-1,3-Dichloropropene	10.122	75	86859	22.856	ug/l #	89
55) 1,1,2-Trichloroethane	10.833	97	63550	25.030	ug/l	98
56) Ethyl methacrylate	10.698	69	107544	26.427	ug/l #	84
57) 1,3-Dichloropropane	10.980	76	105075	24.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	254821	141.832	ug/l	95
59) 2-Hexanone	11.022	43	476837	137.976	ug/l	89
60) Dibromochloromethane	11.175	129	62959	26.238	ug/l	100
61) 1,2-Dibromoethane	11.280	107	63989	25.565	ug/l	99
64) Tetrachloroethene	10.910	164	28017	15.350	ug/l	92
65) Chlorobenzene	11.704	112	119963	20.474	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.775	131	53820	24.133	ug/l	98
67) Ethyl Benzene	11.780	91	183804	17.820	ug/l	99
68) m/p-Xylenes	11.886	106	140391	34.702	ug/l	98
69) o-Xylene	12.216	106	79519	19.671	ug/l	99
70) Styrene	12.233	104	132570	20.421	ug/l	98
71) Bromoform	12.398	173	45098	26.820	ug/l #	99
73) Isopropylbenzene	12.516	105	164135	17.518	ug/l	100
74) N-amyl acetate	12.327	43	143961	29.609	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	101389	30.048	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	63597m	21.659	ug/l	
77) Bromobenzene	12.798	156	55477	24.716	ug/l	86
78) n-propylbenzene	12.857	91	171689	16.660	ug/l	99
79) 2-Chlorotoluene	12.945	91	128821	19.303	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	140430	18.247	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.563	75	28360	26.084	ug/l	92
82) 4-Chlorotoluene	13.039	91	118447	18.759	ug/l	100
83) tert-Butylbenzene	13.257	119	113333	16.079	ug/l	93
84) 1,2,4-Trimethylbenzene	13.304	105	144889	18.902	ug/l	97
85) sec-Butylbenzene	13.439	105	143257	15.236	ug/l	97
86) p-Isopropyltoluene	13.551	119	121373	15.944	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	75876	18.935	ug/l	98
88) 1,4-Dichlorobenzene	13.627	146	78922	19.459	ug/l	98
89) n-Butylbenzene	13.874	91	85016	13.677	ug/l	99
90) Hexachloroethane	14.145	117	24422	17.017	ug/l	89
91) 1,2-Dichlorobenzene	13.921	146	90258	21.598	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	25058	29.414	ug/l	93
93) 1,2,4-Trichlorobenzene	15.192	180	39491	17.075	ug/l	97
94) Hexachlorobutadiene	15.298	225	13247	13.162	ug/l	97
95) Naphthalene	15.427	128	220372	23.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	43852	17.756	ug/l	97

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

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