

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073915.D
 Acq On : 16 Aug 2022 00:04
 Operator : JC\MD
 Sample : VN0815WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Quant Time: Aug 16 01:41:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	594671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	886214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	788166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	386302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	316702	54.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	7.951	113	279238	53.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	10.380	98	1049091	51.685	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.674	95	352901	52.387	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	88586	18.787	ug/l	96
3) Chloromethane	2.269	50	102071	19.466	ug/l	98
4) Vinyl Chloride	2.404	62	126595	18.807	ug/l	97
5) Bromomethane	2.804	94	78538	18.684	ug/l	96
6) Chloroethane	2.969	64	82945	17.442	ug/l	99
7) Trichlorofluoromethane	3.316	101	159981	18.424	ug/l	97
8) Diethyl Ether	3.763	74	61119	18.961	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.145	101	89950	17.832	ug/l	93
10) Methyl Iodide	4.351	142	111586	18.426	ug/l	100
11) Tert butyl alcohol	5.286	59	132162	102.009	ug/l	99
12) 1,1-Dichloroethene	4.116	96	86019	18.328	ug/l	91
13) Acrolein	3.981	56	103865	114.532	ug/l	98
14) Allyl chloride	4.757	41	124345	17.889	ug/l	97
15) Acrylonitrile	5.475	53	304432	96.245	ug/l	99
16) Acetone	4.222	43	264651	96.849	ug/l	98
17) Carbon Disulfide	4.463	76	193696	17.357	ug/l	98
18) Methyl Acetate	4.775	43	148198	20.182	ug/l	97
19) Methyl tert-butyl Ether	5.533	73	320908	18.985	ug/l	97
20) Methylene Chloride	5.016	84	105552	18.305	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	91768	17.748	ug/l	90
22) Diisopropyl ether	6.410	45	280078	19.004	ug/l	96
23) Vinyl Acetate	6.351	43	1206768	95.552	ug/l	98
24) 1,1-Dichloroethane	6.304	63	168597	18.379	ug/l	98
25) 2-Butanone	7.263	43	423228	97.679	ug/l	98
26) 2,2-Dichloropropane	7.251	77	110375	12.806	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	115660	18.130	ug/l	93
28) Bromochloromethane	7.586	49	70369	20.798	ug/l	83
29) Tetrahydrofuran	7.610	42	270465	97.309	ug/l	95
30) Chloroform	7.745	83	186956	18.226	ug/l	98
31) Cyclohexane	8.022	56	149813	18.554	ug/l	92
32) 1,1,1-Trichloroethane	7.945	97	171273	18.828	ug/l	96
36) 1,1-Dichloropropene	8.151	75	128759	17.688	ug/l	98
37) Ethyl Acetate	7.339	43	162888	18.470	ug/l	99
38) Carbon Tetrachloride	8.133	117	146132	17.562	ug/l	97
39) Methylcyclohexane	9.392	83	159167	17.450	ug/l	94
40) Benzene	8.392	78	413098	17.980	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	74760	18.758	ug/l	97
42) 1,2-Dichloroethane	8.463	62	146478	18.542	ug/l	98
43) Isopropyl Acetate	8.498	43	231273	18.408	ug/l	97
44) Trichloroethene	9.151	130	115580	17.417	ug/l	99
45) 1,2-Dichloropropane	9.427	63	99916	18.144	ug/l	100
46) Dibromomethane	9.516	93	77385	18.483	ug/l	93
47) Bromodichloromethane	9.698	83	142847	17.851	ug/l	96
48) Methyl methacrylate	9.498	41	104734	19.483	ug/l	90
49) 1,4-Dioxane	9.504	88	60900	380.949	ug/l	93
51) 4-Methyl-2-Pentanone	10.268	43	816080	96.075	ug/l	100
52) Toluene	10.445	92	272126	17.273	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	142695	16.993	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	158628	17.265	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	113714	18.555	ug/l	99
56) Ethyl methacrylate	10.704	69	167437	19.156	ug/l	99
57) 1,3-Dichloropropane	10.986	76	184924	18.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	375394	92.021	ug/l	95
59) 2-Hexanone	11.027	43	630468	96.443	ug/l	100
60) Dibromochloromethane	11.180	129	122542	18.081	ug/l	99
61) 1,2-Dibromoethane	11.286	107	119790	18.275	ug/l	100
64) Tetrachloroethene	10.916	164	107206	17.233	ug/l	92
65) Chlorobenzene	11.710	112	301074	17.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	115955	18.281	ug/l	98
67) Ethyl Benzene	11.786	91	505403	18.143	ug/l	94
68) m/p-Xylenes	11.892	106	401662	35.487	ug/l	98
69) o-Xylene	12.221	106	204632	18.029	ug/l	95
70) Styrene	12.233	104	323473	18.204	ug/l	98
71) Bromoform	12.398	173	96890	17.109	ug/l #	98
73) Isopropylbenzene	12.521	105	517639	18.402	ug/l	97
74) N-amyl acetate	12.327	43	192262	18.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	174125	18.447	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	150533m	18.748	ug/l	
77) Bromobenzene	12.798	156	137269	18.029	ug/l	91
78) n-propylbenzene	12.862	91	544669	18.165	ug/l	97
79) 2-Chlorotoluene	12.945	91	347130	18.577	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	429977	18.793	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.568	75	46892	16.610	ug/l	100
82) 4-Chlorotoluene	13.045	91	328016	18.483	ug/l	95
83) tert-Butylbenzene	13.262	119	394324	18.729	ug/l	98
84) 1,2,4-Trimethylbenzene	13.309	105	429074	18.779	ug/l	99
85) sec-Butylbenzene	13.439	105	514826	18.864	ug/l	98
86) p-Isopropyltoluene	13.557	119	438970	18.880	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	240660	18.226	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	238137	17.796	ug/l	98
89) n-Butylbenzene	13.880	91	322797	17.528	ug/l	99
90) Hexachloroethane	14.151	117	74639	17.562	ug/l	88
91) 1,2-Dichlorobenzene	13.927	146	251181	18.421	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	40581	18.208	ug/l	84
93) 1,2,4-Trichlorobenzene	15.198	180	146997	17.713	ug/l	98
94) Hexachlorobutadiene	15.303	225	76505	17.489	ug/l	99
95) Naphthalene	15.433	128	520060	19.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	156435	18.237	ug/l	99

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

