

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071322\
 Data File : VN073452.D
 Acq On : 13 Jul 2022 16:32
 Operator : JC\MD
 Sample : VN0713WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 07:04:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	229392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	392330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	359023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	174705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	167693	50.639	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.280%			
35) Dibromofluoromethane	7.945	113	129671	49.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	10.375	98	445797	48.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.669	95	180860	50.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	57452	17.131	ug/l	96
3) Chloromethane	2.269	50	54719	16.806	ug/l	95
4) Vinyl Chloride	2.404	62	46571	16.834	ug/l	99
5) Bromomethane	2.793	94	24911	19.064	ug/l	97
6) Chloroethane	2.963	64	32462	19.947	ug/l	93
7) Trichlorofluoromethane	3.316	101	78023	16.313	ug/l	97
8) Diethyl Ether	3.763	74	38808	19.932	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.140	101	52005	18.402	ug/l	96
10) Methyl Iodide	4.346	142	48288	15.528	ug/l	94
11) Tert butyl alcohol	5.287	59	86099	107.329	ug/l	100
12) 1,1-Dichloroethene	4.110	96	48004	17.777	ug/l	94
13) Acrolein	3.975	56	31543	62.209	ug/l	93
14) Allyl chloride	4.757	41	109383	19.228	ug/l #	91
15) Acrylonitrile	5.469	53	226791	109.822	ug/l	99
16) Acetone	4.222	43	211578	113.824	ug/l	93
17) Carbon Disulfide	4.451	76	104245	14.888	ug/l	99
18) Methyl Acetate	4.775	43	125011	23.999	ug/l #	89
19) Methyl tert-butyl Ether	5.534	73	205494	20.879	ug/l	99
20) Methylene Chloride	5.016	84	60042	18.380	ug/l	90
21) trans-1,2-Dichloroethene	5.510	96	50072	17.746	ug/l	93
22) Diisopropyl ether	6.410	45	223950	21.097	ug/l	96
23) Vinyl Acetate	6.345	43	963089	101.333	ug/l #	92
24) 1,1-Dichloroethane	6.304	63	112185	20.422	ug/l	98
25) 2-Butanone	7.257	43	337536	114.054	ug/l #	89
26) 2,2-Dichloropropane	7.245	77	84561	16.644	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	65477	19.162	ug/l	96
28) Bromochloromethane	7.581	49	53196	23.122	ug/l #	80
29) Tetrahydrofuran	7.610	42	224034	110.558	ug/l	87
30) Chloroform	7.745	83	111087	20.078	ug/l	99
31) Cyclohexane	8.022	56	96602	17.812	ug/l	93
32) 1,1,1-Trichloroethane	7.939	97	94340	19.133	ug/l	99
36) 1,1-Dichloropropene	8.151	75	75370	18.766	ug/l	97
37) Ethyl Acetate	7.334	43	129347	21.314	ug/l	95
38) Carbon Tetrachloride	8.133	117	73905	17.794	ug/l	94
39) Methylcyclohexane	9.392	83	88564	17.712	ug/l	94
40) Benzene	8.386	78	241815	19.509	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	68481	23.268	ug/l #	81
42) 1,2-Dichloroethane	8.463	62	93183	20.739	ug/l	98
43) Isopropyl Acetate	8.492	43	186820	21.420	ug/l	94
44) Trichloroethene	9.145	130	59490	18.860	ug/l	100
45) 1,2-Dichloropropane	9.422	63	64490	20.413	ug/l	99
46) Dibromomethane	9.510	93	43841	20.438	ug/l	90
47) Bromodichloromethane	9.698	83	83974	20.212	ug/l	97
48) Methyl methacrylate	9.498	41	84938	21.033	ug/l	89
49) 1,4-Dioxane	9.504	88	35787	466.821	ug/l #	94
51) 4-Methyl-2-Pentanone	10.269	43	645019	116.621	ug/l	90
52) Toluene	10.439	92	151185	19.736	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	88816	19.419	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	96022	19.446	ug/l #	90
55) 1,1,2-Trichloroethane	10.839	97	65018	20.617	ug/l	95
56) Ethyl methacrylate	10.704	69	106264	20.848	ug/l #	87
57) 1,3-Dichloropropane	10.986	76	111375	20.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	236907	104.215	ug/l	95
59) 2-Hexanone	11.027	43	490153	116.259	ug/l	89
60) Dibromochloromethane	11.174	129	63436	21.098	ug/l	99
61) 1,2-Dibromoethane	11.286	107	65595	20.824	ug/l	100
64) Tetrachloroethene	10.916	164	55720	19.006	ug/l	99
65) Chlorobenzene	11.710	112	157557	19.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	58819	19.694	ug/l	97
67) Ethyl Benzene	11.786	91	282622	19.172	ug/l	100
68) m/p-Xylenes	11.892	106	216853	38.979	ug/l	95
69) o-Xylene	12.221	106	106815	18.808	ug/l	92
70) Styrene	12.233	104	177299	20.220	ug/l	97
71) Bromoform	12.398	173	44434	20.332	ug/l #	100
73) Isopropylbenzene	12.516	105	282964	18.756	ug/l	100
74) N-amyl acetate	12.327	43	142641	18.882	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	100541	20.083	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	90279m	19.763	ug/l	
77) Bromobenzene	12.798	156	65126	18.567	ug/l	85
78) n-propylbenzene	12.857	91	326167	19.461	ug/l	97
79) 2-Chlorotoluene	12.945	91	203941	19.226	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	240751	19.578	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	29838	17.913	ug/l	90
82) 4-Chlorotoluene	13.045	91	191244	18.623	ug/l	98
83) tert-Butylbenzene	13.263	119	211394	19.175	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	241593	19.678	ug/l	96
85) sec-Butylbenzene	13.439	105	293646	19.837	ug/l	99
86) p-Isopropyltoluene	13.557	119	238130	19.914	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	116059	18.444	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	118639	18.817	ug/l	97
89) n-Butylbenzene	13.880	91	193862	19.455	ug/l	98
90) Hexachloroethane	14.151	117	41534	18.637	ug/l	82
91) 1,2-Dichlorobenzene	13.927	146	123786	19.311	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	25716	21.134	ug/l	87
93) 1,2,4-Trichlorobenzene	15.198	180	66093	19.802	ug/l	98
94) Hexachlorobutadiene	15.298	225	29377	19.799	ug/l	96
95) Naphthalene	15.433	128	277493	20.609	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	69101	20.070	ug/l	96

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

