

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074528.D
 Acq On : 16 Sep 2022 23:17
 Operator : JC\MD
 Sample : VN0916WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD02

Quant Time: Sep 17 06:17:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	223436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	439249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	396503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	165716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198002	52.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.460%			
35) Dibromofluoromethane	7.951	113	144725	49.600	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	10.380	98	570594	50.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.674	95	184349	47.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	41765	17.175	ug/l	90
3) Chloromethane	2.263	50	88821	21.862	ug/l	98
4) Vinyl Chloride	2.404	62	104395	23.850	ug/l	96
5) Bromomethane	2.787	94	68820	29.814	ug/l	96
6) Chloroethane	2.957	64	78048	26.104	ug/l	92
7) Trichlorofluoromethane	3.310	101	93453	19.334	ug/l	88
8) Diethyl Ether	3.763	74	46991	19.064	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.134	101	57729	19.305	ug/l	93
10) Methyl Iodide	4.351	142	64548	18.297	ug/l	91
11) Tert butyl alcohol	5.287	59	126155	102.152	ug/l	98
12) 1,1-Dichloroethene	4.110	96	56029	19.446	ug/l	97
13) Acrolein	3.987	56	41822	92.732	ug/l	92
14) Allyl chloride	4.757	41	135086	19.225	ug/l #	93
15) Acrylonitrile	5.469	53	291744	105.151	ug/l	99
16) Acetone	4.216	43	248533	102.448	ug/l	100
17) Carbon Disulfide	4.457	76	144228	17.874	ug/l	95
18) Methyl Acetate	4.775	43	155064	20.579	ug/l #	86
19) Methyl tert-butyl Ether	5.534	73	241212	19.449	ug/l	100
20) Methylene Chloride	5.022	84	73390	19.834	ug/l #	76
21) trans-1,2-Dichloroethene	5.516	96	60776	19.071	ug/l	96
22) Diisopropyl ether	6.404	45	288695	20.460	ug/l #	87
23) Vinyl Acetate	6.345	43	1305027	104.864	ug/l #	89
24) 1,1-Dichloroethane	6.304	63	136832	19.401	ug/l	98
25) 2-Butanone	7.251	43	444656	110.396	ug/l #	84
26) 2,2-Dichloropropane	7.239	77	87813	14.441	ug/l	92
27) cis-1,2-Dichloroethene	7.245	96	76798	18.563	ug/l	92
28) Bromochloromethane	7.581	49	46293	22.274	ug/l #	64
29) Tetrahydrofuran	7.610	42	280782	106.026	ug/l #	84
30) Chloroform	7.745	83	128235	19.699	ug/l	100
31) Cyclohexane	8.022	56	129412	19.231	ug/l	86
32) 1,1,1-Trichloroethane	7.945	97	104501	18.303	ug/l	93
36) 1,1-Dichloropropene	8.151	75	88253	17.088	ug/l	96
37) Ethyl Acetate	7.334	43	164470	20.621	ug/l #	94
38) Carbon Tetrachloride	8.139	117	86857	18.215	ug/l	97
39) Methylcyclohexane	9.392	83	108973	17.744	ug/l	92
40) Benzene	8.392	78	315346	19.745	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	86707	22.485	ug/l #	77
42) 1,2-Dichloroethane	8.463	62	105690	19.284	ug/l	99
43) Isopropyl Acetate	8.492	43	246915	19.763	ug/l #	91
44) Trichloroethene	9.151	130	62469	18.076	ug/l	94
45) 1,2-Dichloropropane	9.428	63	83512	19.027	ug/l	97
46) Dibromomethane	9.516	93	50905	18.518	ug/l #	86
47) Bromodichloromethane	9.704	83	101347	18.805	ug/l #	92
48) Methyl methacrylate	9.498	41	107091	19.331	ug/l #	83
49) 1,4-Dioxane	9.504	88	43012	403.847	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	868805	106.490	ug/l	89
52) Toluene	10.445	92	184569	19.708	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	111137	17.694	ug/l	95
54) cis-1,3-Dichloropropene	10.127	75	121809	18.121	ug/l #	83
55) 1,1,2-Trichloroethane	10.839	97	73873	18.622	ug/l #	89
56) Ethyl methacrylate	10.704	69	135825	19.168	ug/l #	76
57) 1,3-Dichloropropane	10.986	76	133765	19.232	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.980	63	283534	90.919	ug/l #	88
59) 2-Hexanone	11.027	43	661276	106.175	ug/l	87
60) Dibromochloromethane	11.180	129	70746	18.629	ug/l	96
61) 1,2-Dibromoethane	11.292	107	73182	18.990	ug/l	100
64) Tetrachloroethene	10.916	164	46782	17.192	ug/l	94
65) Chlorobenzene	11.710	112	182860	18.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.780	131	66639	18.426	ug/l	97
67) Ethyl Benzene	11.786	91	346069	18.936	ug/l	97
68) m/p-Xylenes	11.898	106	251148	37.169	ug/l	93
69) o-Xylene	12.221	106	132166	19.184	ug/l	99
70) Styrene	12.239	104	203626	17.768	ug/l	100
71) Bromoform	12.398	173	46911	17.648	ug/l #	96
73) Isopropylbenzene	12.521	105	319236	18.814	ug/l	100
74) N-amyl acetate	12.333	43	213613	20.135	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.768	83	134279	19.747	ug/l	96
76) 1,2,3-Trichloropropane	12.821	75	98638m	19.338	ug/l	
77) Bromobenzene	12.804	156	66000	18.209	ug/l	75
78) n-propylbenzene	12.863	91	384884	19.045	ug/l	94
79) 2-Chlorotoluene	12.951	91	225503	18.692	ug/l	98
80) 1,3,5-Trimethylbenzene	13.004	105	264809	19.145	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	39088	16.539	ug/l	91
82) 4-Chlorotoluene	13.045	91	204334	17.819	ug/l	99
83) tert-Butylbenzene	13.263	119	237293	18.850	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	259896	18.671	ug/l	99
85) sec-Butylbenzene	13.445	105	332237	19.221	ug/l	94
86) p-Isopropyltoluene	13.557	119	254116	18.858	ug/l	97
87) 1,3-Dichlorobenzene	13.557	146	121591	18.255	ug/l	98
88) 1,4-Dichlorobenzene	13.639	146	121216	18.108	ug/l	96
89) n-Butylbenzene	13.886	91	221232	18.215	ug/l	91
90) Hexachloroethane	14.151	117	51009	17.398	ug/l	76
91) 1,2-Dichlorobenzene	13.933	146	125512	18.164	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	28829	19.200	ug/l	73
93) 1,2,4-Trichlorobenzene	15.198	180	57640	17.509	ug/l	98
94) Hexachlorobutadiene	15.309	225	25353	17.523	ug/l	96
95) Naphthalene	15.439	128	247929	18.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	59034	18.179	ug/l	98

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

