

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074829.D
 Acq On : 10 Oct 2022 13:59
 Operator : JC\MD
 Sample : VN1010WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2022
 Supervised By : Mahesh Dadoda 10/11/2022

Quant Time: Oct 11 06:23:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	242753	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	454033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	478099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	283751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	307776	53.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.020%	
35) Dibromofluoromethane	8.177	113	240114	52.343	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.680%	
50) Toluene-d8	10.571	98	970923	49.326	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.853	95	285053	47.639	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	100458	20.179	ug/l	96
3) Chloromethane	2.383	50	148465	20.053	ug/l	100
4) Vinyl Chloride	2.530	62	208209	22.714	ug/l	95
5) Bromomethane	2.954	94	158800	24.567	ug/l	86
6) Chloroethane	3.130	64	191844	28.286	ug/l	# 88
7) Trichlorofluoromethane	3.512	101	149835	20.740	ug/l	90
8) Diethyl Ether	3.983	74	76008	20.168	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	92422	20.882	ug/l	95
10) Methyl Iodide	4.606	142	104147	19.460	ug/l	98
11) Tert butyl alcohol	5.553	59	171142	88.840	ug/l	97
12) 1,1-Dichloroethene	4.359	96	86717	18.406	ug/l	89
13) Acrolein	4.201	56	39281	72.659	ug/l	89
14) Allyl chloride	5.042	41	164519	16.991	ug/l	# 86
15) Acrylonitrile	5.742	53	413052	98.306	ug/l	96
16) Acetone	4.448	43	337495	103.540	ug/l	99
17) Carbon Disulfide	4.736	76	232103	18.028	ug/l	95
18) Methyl Acetate	5.059	43	249719	20.692	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	366502	19.996	ug/l	99
20) Methylene Chloride	5.300	84	115973	21.078	ug/l	93
21) trans-1,2-Dichloroethene	5.812	96	93028	18.459	ug/l	96
22) Diisopropyl ether	6.689	45	420312	20.438	ug/l	96
23) Vinyl Acetate	6.624	43	1623840	96.124	ug/l	98
24) 1,1-Dichloroethane	6.594	63	212292	20.022	ug/l	97
25) 2-Butanone	7.500	43	600182	101.456	ug/l	97
26) 2,2-Dichloropropane	7.506	77	177423	20.288	ug/l	96
27) cis-1,2-Dichloroethene	7.506	96	116991	19.501	ug/l	98
28) Bromochloromethane	7.830	49	102732	21.474	ug/l	100
29) Tetrahydrofuran	7.853	42	403579	97.886	ug/l	98
30) Chloroform	7.977	83	201065	20.703	ug/l	98
31) Cyclohexane	8.265	56	186631	18.773	ug/l	# 87
32) 1,1,1-Trichloroethane	8.183	97	168088	20.305	ug/l	98
36) 1,1-Dichloropropene	8.377	75	138324	18.629	ug/l	98
37) Ethyl Acetate	7.500	43	600182	20.152	ug/l	# 52
38) Carbon Tetrachloride	8.365	117	139355	19.902	ug/l	92
39) Methylcyclohexane	9.606	83	185728	19.309	ug/l	89
40) Benzene	8.618	78	481725	20.041	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	112848	19.234	ug/l	97
42) 1,2-Dichloroethane	8.677	62	155084	20.554	ug/l	99
43) Isopropyl Acetate	8.700	43	373992	20.320	ug/l	97
44) Trichloroethene	9.359	130	100322	20.039	ug/l	87
45) 1,2-Dichloropropane	9.624	63	133653	20.535	ug/l	95
46) Dibromomethane	9.712	93	81809	21.421	ug/l	94
47) Bromodichloromethane	9.888	83	163781	20.990	ug/l	88
48) Methyl methacrylate	9.612	41	159961	21.170	ug/l #	96
49) 1,4-Dioxane	9.706	88	66567	406.467	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	1229467	103.735	ug/l	98
52) Toluene	10.635	92	291287	20.172	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	180833	19.450	ug/l	93
54) cis-1,3-Dichloropropene	10.318	75	197897	19.716	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	120113	20.687	ug/l	97
56) Ethyl methacrylate	10.877	69	206037	19.484	ug/l	97
57) 1,3-Dichloropropane	11.171	76	214829	20.529	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	386519	101.338	ug/l	99
59) 2-Hexanone	11.200	43	918007	102.402	ug/l	98
60) Dibromochloromethane	11.365	129	117166	20.485	ug/l	95
61) 1,2-Dibromoethane	11.471	107	121395	20.562	ug/l	97
64) Tetrachloroethene	11.100	164	78523	20.232	ug/l	90
65) Chlorobenzene	11.894	112	299808	20.469	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	108069	20.207	ug/l	99
67) Ethyl Benzene	11.965	91	550326	20.158	ug/l	99
68) m/p-Xylenes	12.076	106	416285	40.620	ug/l	98
69) o-Xylene	12.400	106	209562	19.931	ug/l	98
70) Styrene	12.412	104	336737	20.315	ug/l	98
71) Bromoform	12.582	173	77402	18.973	ug/l #	95
73) Isopropylbenzene	12.700	105	533297	19.531	ug/l	100
74) N-amyl acetate	12.494	43	306075	18.540	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	207896	21.662	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	153937m	18.176	ug/l	
77) Bromobenzene	12.982	156	111620	21.334	ug/l	95
78) n-propylbenzene	13.041	91	628210	19.970	ug/l	100
79) 2-Chlorotoluene	13.129	91	353916	18.554	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	431730	19.825	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	71174	16.374	ug/l	90
82) 4-Chlorotoluene	13.223	91	341457	19.313	ug/l	96
83) tert-Butylbenzene	13.441	119	378968	20.138	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	434243	19.721	ug/l	94
85) sec-Butylbenzene	13.618	105	543600	19.878	ug/l	100
86) p-Isopropyltoluene	13.735	119	432073	20.474	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	212559	19.629	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	213638	20.886	ug/l	98
89) n-Butylbenzene	14.059	91	360569	19.385	ug/l	99
90) Hexachloroethane	14.335	117	92098	19.519	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	222974	21.381	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40289	17.802	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	97491	21.372	ug/l	96
94) Hexachlorobutadiene	15.500	225	47916	22.454	ug/l	99
95) Naphthalene	15.647	128	406237	20.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	98942	21.420	ug/l	98

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

