

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122722\
 Data File : VN075980.D
 Acq On : 27 Dec 2022 11:59
 Operator : JC\MD
 Sample : VN1227WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2022
 Supervised By : Mahesh Dadoda 12/28/2022

Quant Time: Dec 28 04:43:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	270571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	429482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	387816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156829	53.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.560%			
35) Dibromofluoromethane	8.171	113	143840	54.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.160%			
50) Toluene-d8	10.571	98	529180	53.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.420%			
62) 4-Bromofluorobenzene	12.853	95	183198	55.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	33321	17.344	ug/l	96
3) Chloromethane	2.371	50	39766	16.646	ug/l	97
4) Vinyl Chloride	2.530	62	49652	17.424	ug/l	94
5) Bromomethane	2.959	94	41202	17.013	ug/l	95
6) Chloroethane	3.124	64	37631	17.833	ug/l	95
7) Trichlorofluoromethane	3.512	101	79820	18.460	ug/l	99
8) Diethyl Ether	3.971	74	30203	19.124	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.389	101	49162	19.911	ug/l	98
10) Methyl Iodide	4.600	142	71871	17.936	ug/l	100
11) Tert butyl alcohol	5.542	59	41679	100.067	ug/l	100
12) 1,1-Dichloroethene	4.353	96	43195	18.013	ug/l	96
13) Acrolein	4.195	56	60990	119.441	ug/l	97
14) Allyl chloride	5.042	41	51192	18.261	ug/l	91
15) Acrylonitrile	5.730	53	113733	100.061	ug/l	98
16) Acetone	4.442	43	104711	103.194	ug/l	96
17) Carbon Disulfide	4.730	76	91157	15.700	ug/l	99
18) Methyl Acetate	5.036	43	60351	20.121	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	164155	20.787	ug/l	96
20) Methylene Chloride	5.289	84	54201	19.578	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	47844	18.218	ug/l	95
22) Diisopropyl ether	6.677	45	139508	20.486	ug/l	97
23) Vinyl Acetate	6.612	43	468654	102.246	ug/l	100
24) 1,1-Dichloroethane	6.583	63	86410	19.026	ug/l	96
25) 2-Butanone	7.489	43	144654	101.814	ug/l	97
26) 2,2-Dichloropropane	7.500	77	76271	19.831	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	61696	19.643	ug/l	98
28) Bromochloromethane	7.818	49	37728	18.953	ug/l	95
29) Tetrahydrofuran	7.847	42	88694	99.616	ug/l	99
30) Chloroform	7.971	83	98066	19.178	ug/l	90
31) Cyclohexane	8.265	56	78099	18.526	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	89548	19.753	ug/l	96
36) 1,1-Dichloropropene	8.377	75	67326	19.055	ug/l	100
37) Ethyl Acetate	7.571	43	59681	21.029	ug/l	98
38) Carbon Tetrachloride	8.365	117	76979	19.467	ug/l	99
39) Methylcyclohexane	9.606	83	83929	19.690	ug/l	97
40) Benzene	8.612	78	214107	19.641	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	30081	20.392	ug/l	94
42) 1,2-Dichloroethane	8.677	62	73042	20.154	ug/l	100
43) Isopropyl Acetate	8.694	43	97259	20.775	ug/l	99
44) Trichloroethene	9.359	130	56526	18.406	ug/l	95
45) 1,2-Dichloropropane	9.624	63	52147	19.658	ug/l	99
46) Dibromomethane	9.712	93	38746	19.693	ug/l	99
47) Bromodichloromethane	9.888	83	79181	20.522	ug/l	99
48) Methyl methacrylate	9.682	41	44835	21.264	ug/l	98
49) 1,4-Dioxane	9.700	88	21211	409.192	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	300625	106.184	ug/l	99
52) Toluene	10.635	92	141270	19.898	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	76265	20.192	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	84544	20.387	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	59734	21.436	ug/l	96
56) Ethyl methacrylate	10.877	69	77656	20.980	ug/l	96
57) 1,3-Dichloropropane	11.165	76	94618	20.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	112128	95.148	ug/l	99
59) 2-Hexanone	11.200	43	214402	103.842	ug/l	98
60) Dibromochloromethane	11.359	129	64798	20.909	ug/l	98
61) 1,2-Dibromoethane	11.471	107	58294	20.672	ug/l	95
64) Tetrachloroethene	11.106	164	55407	20.303	ug/l	97
65) Chlorobenzene	11.894	112	154619	19.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	60631	20.565	ug/l	99
67) Ethyl Benzene	11.965	91	268854	20.013	ug/l	99
68) m/p-Xylenes	12.076	106	217897	40.979	ug/l	97
69) o-Xylene	12.400	106	108313	20.584	ug/l	98
70) Styrene	12.412	104	175915	21.026	ug/l	99
71) Bromoform	12.582	173	46472	21.662	ug/l #	98
73) Isopropylbenzene	12.700	105	279812	20.289	ug/l	99
74) N-amyl acetate	12.500	43	82411	20.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	83693	19.631	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	72830m	18.932	ug/l	
77) Bromobenzene	12.982	156	68811	19.716	ug/l	97
78) n-propylbenzene	13.041	91	309079	20.320	ug/l	100
79) 2-Chlorotoluene	13.129	91	188367	19.838	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	242128	20.977	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	22222	20.793	ug/l	99
82) 4-Chlorotoluene	13.129	91	188367	19.838	ug/l	100
83) tert-Butylbenzene	13.441	119	217733	21.395	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	241076	21.054	ug/l	99
85) sec-Butylbenzene	13.618	105	290369	20.672	ug/l	98
86) p-Isopropyltoluene	13.735	119	245174	20.977	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	130447	20.234	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	129912	19.725	ug/l	98
89) n-Butylbenzene	14.059	91	188593	19.918	ug/l	98
90) Hexachloroethane	14.335	117	43344	20.732	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	128669	20.262	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13846	18.303	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	62011	19.724	ug/l	99
94) Hexachlorobutadiene	15.506	225	33422	19.485	ug/l	99
95) Naphthalene	15.647	128	180460	18.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	60830	20.701	ug/l	98

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

