

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075772.D
 Acq On : 14 Dec 2022 16:03
 Operator : JC\MD
 Sample : VN1214WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 00:27:35 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	324193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	517994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	467263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	183012	51.890	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	8.171	113	166156	51.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	10.571	98	621883	51.850	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.853	95	209028	52.619	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	41062	17.838	ug/l	93
3) Chloromethane	2.371	50	47004	16.422	ug/l	99
4) Vinyl Chloride	2.524	62	59269	17.359	ug/l	97
5) Bromomethane	2.948	94	52591	18.124	ug/l	98
6) Chloroethane	3.118	64	46071	18.221	ug/l	95
7) Trichlorofluoromethane	3.501	101	89338	17.244	ug/l	96
8) Diethyl Ether	3.965	74	34908	18.447	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	52890	17.878	ug/l	99
10) Methyl Iodide	4.595	142	83389	17.368	ug/l	99
11) Tert butyl alcohol	5.536	59	49692	99.572	ug/l	100
12) 1,1-Dichloroethene	4.353	96	51034	17.762	ug/l	95
13) Acrolein	4.195	56	57903	94.640	ug/l	100
14) Allyl chloride	5.030	41	59941	17.846	ug/l	92
15) Acrylonitrile	5.730	53	127023	93.270	ug/l	99
16) Acetone	4.436	43	122503	100.759	ug/l	90
17) Carbon Disulfide	4.724	76	120239	17.284	ug/l	99
18) Methyl Acetate	5.036	43	66284	18.444	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	182913	19.331	ug/l	92
20) Methylene Chloride	5.289	84	60721	18.263	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	54509	17.323	ug/l	96
22) Diisopropyl ether	6.683	45	153212	18.777	ug/l	98
23) Vinyl Acetate	6.612	43	514360	93.657	ug/l	99
24) 1,1-Dichloroethane	6.577	63	98203	18.046	ug/l	97
25) 2-Butanone	7.494	43	166066	97.552	ug/l	99
26) 2,2-Dichloropropane	7.494	77	85169	18.481	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	68497	18.201	ug/l	98
28) Bromochloromethane	7.824	49	43005	18.031	ug/l	99
29) Tetrahydrofuran	7.841	42	100966	94.643	ug/l	99
30) Chloroform	7.971	83	110281	18.000	ug/l	100
31) Cyclohexane	8.259	56	90820	17.980	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	97896	18.023	ug/l	98
36) 1,1-Dichloropropene	8.377	75	76352	17.917	ug/l	98
37) Ethyl Acetate	7.565	43	65056	19.006	ug/l	99
38) Carbon Tetrachloride	8.371	117	86831	18.206	ug/l	98
39) Methylcyclohexane	9.606	83	95966	18.667	ug/l	95
40) Benzene	8.612	78	241396	18.360	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	34331	19.296	ug/l	96
42) 1,2-Dichloroethane	8.677	62	84045	19.228	ug/l	99
43) Isopropyl Acetate	8.694	43	107938	19.117	ug/l	99
44) Trichloroethene	9.353	130	67310	18.173	ug/l	86
45) 1,2-Dichloropropane	9.624	63	59387	18.562	ug/l	94
46) Dibromomethane	9.712	93	43056	18.144	ug/l	97
47) Bromodichloromethane	9.888	83	85083	18.283	ug/l	97
48) Methyl methacrylate	9.682	41	50970	20.043	ug/l	98
49) 1,4-Dioxane	9.700	88	27155	434.346	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	337642	98.880	ug/l	100
52) Toluene	10.629	92	159987	18.684	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	88160	19.353	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	95894	19.173	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	64065	19.062	ug/l	98
56) Ethyl methacrylate	10.876	69	89123	19.964	ug/l	98
57) 1,3-Dichloropropane	11.165	76	105704	19.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	114630	80.650	ug/l	100
59) 2-Hexanone	11.200	43	252579	101.429	ug/l	99
60) Dibromochloromethane	11.359	129	69850	18.688	ug/l	99
61) 1,2-Dibromoethane	11.471	107	64153	18.862	ug/l	99
64) Tetrachloroethene	11.106	164	60842	18.504	ug/l	97
65) Chlorobenzene	11.894	112	174710	18.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	68215	19.203	ug/l	98
67) Ethyl Benzene	11.965	91	305353	18.865	ug/l	98
68) m/p-Xylenes	12.071	106	244463	38.159	ug/l	100
69) o-Xylene	12.400	106	121255	19.126	ug/l	98
70) Styrene	12.412	104	196411	19.484	ug/l	99
71) Bromoform	12.582	173	50083	19.376	ug/l #	99
73) Isopropylbenzene	12.700	105	309865	19.066	ug/l	99
74) N-amyl acetate	12.494	43	92646	19.432	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	91882	18.288	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	78724m	17.365	ug/l	
77) Bromobenzene	12.982	156	76852	18.685	ug/l	98
78) n-propylbenzene	13.041	91	346761	19.345	ug/l	100
79) 2-Chlorotoluene	13.129	91	209361	18.711	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	269826	19.837	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	24878	19.753	ug/l	94
82) 4-Chlorotoluene	13.129	91	209361	18.711	ug/l	100
83) tert-Butylbenzene	13.441	119	234841	19.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	268283	19.882	ug/l	99
85) sec-Butylbenzene	13.617	105	327671	19.796	ug/l	99
86) p-Isopropyltoluene	13.735	119	277451	20.144	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	144865	19.067	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	141737	18.262	ug/l	99
89) n-Butylbenzene	14.059	91	215045	19.272	ug/l	99
90) Hexachloroethane	14.335	117	47541	19.296	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	144296	19.282	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15129	16.970	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	69482	18.754	ug/l	100
94) Hexachlorobutadiene	15.506	225	37812	18.706	ug/l	99
95) Naphthalene	15.647	128	197230	17.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	64547	18.640	ug/l	97

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

