

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076751.D
 Acq On : 21 Feb 2023 15:21
 Operator : JC\MD
 Sample : VN0221WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 04:11:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	245745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	441834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	204843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	204703	60.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.640%			
35) Dibromofluoromethane	8.172	113	154841	53.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.020%			
50) Toluene-d8	10.571	98	604425	55.935	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.860%			
62) 4-Bromofluorobenzene	12.848	95	207634	58.015	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	50318	19.283	ug/l	99
3) Chloromethane	2.378	50	65364	19.200	ug/l	96
4) Vinyl Chloride	2.531	62	67119	20.032	ug/l	100
5) Bromomethane	2.966	94	45952	22.634	ug/l	99
6) Chloroethane	3.131	64	46337	21.883	ug/l	89
7) Trichlorofluoromethane	3.513	101	82716	18.144	ug/l	99
8) Diethyl Ether	3.978	74	36319	20.675	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	53124	19.832	ug/l	98
10) Methyl Iodide	4.601	142	67434	20.385	ug/l	91
11) Tert butyl alcohol	5.531	59	50723	113.243	ug/l	100
12) 1,1-Dichloroethene	4.342	96	49584	19.548	ug/l	90
13) Acrolein	4.184	56	59513	88.501	ug/l	95
14) Allyl chloride	5.037	41	85753	19.511	ug/l	97
15) Acrylonitrile	5.731	53	176955	111.319	ug/l	98
16) Acetone	4.437	43	144545	95.360	ug/l	93
17) Carbon Disulfide	4.725	76	117969	17.615	ug/l	97
18) Methyl Acetate	5.037	43	109063	22.043	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	186864	21.851	ug/l	97
20) Methylene Chloride	5.289	84	65687	20.677	ug/l	95
21) trans-1,2-Dichloroethene	5.801	96	55000	19.262	ug/l	93
22) Diisopropyl ether	6.683	45	226793	22.001	ug/l	96
23) Vinyl Acetate	6.613	43	729002	119.525	ug/l	100
24) 1,1-Dichloroethane	6.578	63	116061	20.543	ug/l #	96
25) 2-Butanone	7.495	43	239637	107.177	ug/l	99
26) 2,2-Dichloropropane	7.501	77	84393	20.710	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	66343	19.590	ug/l	96
28) Bromochloromethane	7.819	49	67307	25.031	ug/l	89
29) Tetrahydrofuran	7.848	42	165640	113.388	ug/l	95
30) Chloroform	7.978	83	114142	20.221	ug/l	96
31) Cyclohexane	8.266	56	102986	19.347	ug/l	96
32) 1,1,1-Trichloroethane	8.172	97	95775	20.180	ug/l	93
36) 1,1-Dichloropropene	8.372	75	81772	19.560	ug/l	98
37) Ethyl Acetate	7.566	43	96458	21.929	ug/l	98
38) Carbon Tetrachloride	8.372	117	78403	18.591	ug/l	96
39) Methylcyclohexane	9.607	83	94467	19.879	ug/l	94
40) Benzene	8.613	78	262908	20.478	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	50447	19.797	ug/l	89
42) 1,2-Dichloroethane	8.672	62	93989	20.991	ug/l	98
43) Isopropyl Acetate	8.689	43	163078	22.784	ug/l	96
44) Trichloroethene	9.354	130	59978	19.770	ug/l	98
45) 1,2-Dichloropropane	9.624	63	69751	20.524	ug/l	92
46) Dibromomethane	9.713	93	47183	21.716	ug/l	92
47) Bromodichloromethane	9.889	83	91953	21.109	ug/l	92
48) Methyl methacrylate	9.683	41	75135	22.122	ug/l	96
49) 1,4-Dioxane	9.695	88	25865	440.245	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	519959	114.178	ug/l	97
52) Toluene	10.630	92	166162	21.437	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	92559	22.014	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	99032	20.420	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	66763	21.182	ug/l #	89
56) Ethyl methacrylate	10.877	69	96239	21.693	ug/l	93
57) 1,3-Dichloropropane	11.166	76	117021	21.611	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	240960	118.595	ug/l	98
59) 2-Hexanone	11.195	43	370098	112.713	ug/l	99
60) Dibromochloromethane	11.360	129	67717	20.386	ug/l	97
61) 1,2-Dibromoethane	11.471	107	64527	20.454	ug/l	94
64) Tetrachloroethene	11.107	164	46556	17.498	ug/l	96
65) Chlorobenzene	11.895	112	168131	18.791	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	64848	19.953	ug/l	97
67) Ethyl Benzene	11.965	91	306300	20.094	ug/l	99
68) m/p-Xylenes	12.077	106	238868	40.653	ug/l	93
69) o-Xylene	12.401	106	117262	20.463	ug/l	99
70) Styrene	12.413	104	191168	20.630	ug/l	99
71) Bromoform	12.577	173	45798	19.211	ug/l #	98
73) Isopropylbenzene	12.701	105	306106	20.388	ug/l	98
74) N-amyl acetate	12.495	43	136635	20.190	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	109563	20.160	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	93000m	22.456	ug/l	
77) Bromobenzene	12.989	156	70753	18.888	ug/l	90
78) n-propylbenzene	13.042	91	370975	21.041	ug/l	97
79) 2-Chlorotoluene	13.130	91	217070	20.108	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	257386	20.743	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	32493	22.852	ug/l #	85
82) 4-Chlorotoluene	13.130	91	217070	20.108	ug/l	97
83) tert-Butylbenzene	13.442	119	220123	19.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	265628	21.480	ug/l	98
85) sec-Butylbenzene	13.618	105	330193	21.069	ug/l	98
86) p-Isopropyltoluene	13.730	119	261964	20.933	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	140567	19.851	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	136938	19.420	ug/l	97
89) n-Butylbenzene	14.059	91	222784	20.468	ug/l	97
90) Hexachloroethane	14.336	117	48912	18.667	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	140549	19.361	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	18106	17.196	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	65944	18.211	ug/l	99
94) Hexachlorobutadiene	15.506	225	33313	18.770	ug/l	96
95) Naphthalene	15.642	128	206840	18.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	64815	18.475	ug/l	97

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

