

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077851.D
 Acq On : 24 May 2023 14:39
 Operator : JC\MD
 Sample : VN0524WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 01:42:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	357277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	646715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	236932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272109	50.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.800%			
35) Dibromofluoromethane	8.171	113	228992	54.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.600%			
50) Toluene-d8	10.577	98	849598	52.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.859	95	282943	49.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	78653	19.344	ug/l	95
3) Chloromethane	2.371	50	84591	18.493	ug/l	95
4) Vinyl Chloride	2.524	62	106421	20.759	ug/l	99
5) Bromomethane	2.965	94	82263	21.697	ug/l	90
6) Chloroethane	3.130	64	76340	20.663	ug/l	91
7) Trichlorofluoromethane	3.506	101	154806	21.668	ug/l	94
8) Diethyl Ether	3.971	74	59361	22.760	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.383	101	84477	21.367	ug/l	96
10) Methyl Iodide	4.595	142	113180	24.003	ug/l	100
11) Tert butyl alcohol	5.524	59	74355	100.784	ug/l	99
12) 1,1-Dichloroethene	4.348	96	79734	21.218	ug/l	91
13) Acrolein	4.183	56	36823	58.183	ug/l	96
14) Allyl chloride	5.036	41	120617	21.850	ug/l	95
15) Acrylonitrile	5.730	53	204775	103.892	ug/l	100
16) Acetone	4.442	43	160946	95.696	ug/l	95
17) Carbon Disulfide	4.724	76	205739	20.320	ug/l	98
18) Methyl Acetate	5.042	43	144229	20.442	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	291462	21.429	ug/l	98
20) Methylene Chloride	5.289	84	104201	22.726	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	92780	21.980	ug/l	96
22) Diisopropyl ether	6.683	45	273362	21.127	ug/l	93
23) Vinyl Acetate	6.612	43	802654	100.120	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	174691	22.037	ug/l	97
25) 2-Butanone	7.494	43	253436	96.330	ug/l	88
26) 2,2-Dichloropropane	7.500	77	137628	20.436	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	112892	22.305	ug/l	95
28) Bromochloromethane	7.824	49	72817	21.240	ug/l	90
29) Tetrahydrofuran	7.841	42	170573	99.014	ug/l #	83
30) Chloroform	7.977	83	186333	21.368	ug/l	98
31) Cyclohexane	8.265	56	154332	21.241	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	164376	22.171	ug/l	99
36) 1,1-Dichloropropene	8.377	75	137964	22.367	ug/l	97
37) Ethyl Acetate	7.571	43	104616	19.029	ug/l	94
38) Carbon Tetrachloride	8.365	117	144584	23.213	ug/l	97
39) Methylcyclohexane	9.612	83	164254	21.751	ug/l	95
40) Benzene	8.612	78	407088	22.365	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	55704	19.025	ug/l	92
42) 1,2-Dichloroethane	8.683	62	147828	22.357	ug/l	98
43) Isopropyl Acetate	8.694	43	191334	21.306	ug/l	95
44) Trichloroethene	9.359	130	108058	23.445	ug/l	98
45) 1,2-Dichloropropane	9.630	63	105757	22.778	ug/l	98
46) Dibromomethane	9.712	93	73222	22.040	ug/l	95
47) Bromodichloromethane	9.894	83	148411	23.333	ug/l	89
48) Methyl methacrylate	9.688	41	84903	19.941	ug/l	93
49) 1,4-Dioxane	9.706	88	34800	432.753	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	553644	103.720	ug/l	94
52) Toluene	10.635	92	265218	23.405	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	147331	21.873	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	160529	21.627	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	104136	23.144	ug/l	95
56) Ethyl methacrylate	10.882	69	144564	21.250	ug/l	92
57) 1,3-Dichloropropane	11.171	76	173420	22.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	304153	90.877	ug/l	92
59) 2-Hexanone	11.200	43	381449	96.613	ug/l	93
60) Dibromochloromethane	11.365	129	109257	23.522	ug/l	100
61) 1,2-Dibromoethane	11.476	107	103181	22.987	ug/l	99
64) Tetrachloroethene	11.112	164	106200	27.226	ug/l	93
65) Chlorobenzene	11.900	112	282046	23.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.971	131	104124	24.887	ug/l	97
67) Ethyl Benzene	11.971	91	498668	23.013	ug/l	97
68) m/p-Xylenes	12.076	106	386531	47.077	ug/l	99
69) o-Xylene	12.406	106	186902	23.146	ug/l	97
70) Styrene	12.418	104	291068	22.691	ug/l	97
71) Bromoform	12.588	173	65259	23.447	ug/l #	99
73) Isopropylbenzene	12.700	105	485189	23.756	ug/l	97
74) N-amyl acetate	12.500	43	145535	19.278	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	139162	22.149	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	120081m	20.237	ug/l	
77) Bromobenzene	12.988	156	105550	22.646	ug/l	98
78) n-propylbenzene	13.041	91	555907	23.088	ug/l	99
79) 2-Chlorotoluene	13.135	91	338104	23.532	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	419876	24.461	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	36105	19.450	ug/l #	86
82) 4-Chlorotoluene	13.229	91	314304	21.986	ug/l	97
83) tert-Butylbenzene	13.447	119	351872	23.481	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	411681	24.386	ug/l	99
85) sec-Butylbenzene	13.623	105	498181	23.393	ug/l	99
86) p-Isopropyltoluene	13.735	119	410454	24.175	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	191898	22.263	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	183364	21.438	ug/l	99
89) n-Butylbenzene	14.065	91	337892	21.637	ug/l	97
90) Hexachloroethane	14.341	117	63903	22.911	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	194078	24.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23299	19.154	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	79884	16.976	ug/l	97
94) Hexachlorobutadiene	15.511	225	42185	21.592	ug/l	98
95) Naphthalene	15.653	128	234022	14.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	80978	17.576	ug/l	97

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

