

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077392.D
 Acq On : 20 Apr 2023 11:44
 Operator : JC\MD
 Sample : VN0420WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Quant Time: Apr 21 02:38:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/21/2023
 Supervised By : Mahesh Dadoda 04/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	558896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1039167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	903728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	365998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	386092	50.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.080%			
35) Dibromofluoromethane	8.172	113	353445	53.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.260%			
50) Toluene-d8	10.572	98	1322969	49.400	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.854	95	432416	48.549	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	132405	18.561	ug/l	95
3) Chloromethane	2.372	50	119445	13.512	ug/l	96
4) Vinyl Chloride	2.525	62	159587	13.315	ug/l	97
5) Bromomethane	2.960	94	141682	16.306	ug/l	93
6) Chloroethane	3.125	64	119005	13.913	ug/l	94
7) Trichlorofluoromethane	3.507	101	219347	21.106	ug/l	99
8) Diethyl Ether	3.972	74	77111	17.706	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.384	101	121790	19.149	ug/l	97
10) Methyl Iodide	4.601	142	150026	19.395	ug/l	96
11) Tert butyl alcohol	5.537	59	105190	67.487	ug/l	98
12) 1,1-Dichloroethene	4.348	96	121668	18.583	ug/l	86
13) Acrolein	4.190	56	110453	74.822	ug/l	97
14) Allyl chloride	5.031	41	141172	14.277	ug/l	88
15) Acrylonitrile	5.731	53	265137	76.944	ug/l	98
16) Acetone	4.437	43	227178	80.663	ug/l	96
17) Carbon Disulfide	4.719	76	294356	16.673	ug/l	100
18) Methyl Acetate	5.037	43	174024	16.224	ug/l	95
19) Methyl tert-butyl Ether	5.807	73	408368	17.579	ug/l	98
20) Methylene Chloride	5.295	84	141797	17.827	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	130459	18.199	ug/l	99
22) Diisopropyl ether	6.684	45	324932	16.390	ug/l	95
23) Vinyl Acetate	6.607	43	1039751	77.569	ug/l	98
24) 1,1-Dichloroethane	6.578	63	224384	17.528	ug/l	98
25) 2-Butanone	7.489	43	334191	73.112	ug/l	95
26) 2,2-Dichloropropane	7.495	77	215743	18.379	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	161469	18.445	ug/l	96
28) Bromochloromethane	7.825	49	90380	17.551	ug/l	93
29) Tetrahydrofuran	7.848	42	207344	70.566	ug/l	93
30) Chloroform	7.972	83	252462	18.493	ug/l	98
31) Cyclohexane	8.260	56	199474	16.806	ug/l	94
32) 1,1,1-Trichloroethane	8.178	97	234644	18.899	ug/l	95
36) 1,1-Dichloropropene	8.378	75	185223	18.825	ug/l	97
37) Ethyl Acetate	7.566	43	132757	15.081	ug/l	96
38) Carbon Tetrachloride	8.366	117	203994	20.237	ug/l	96
39) Methylcyclohexane	9.601	83	242419	18.272	ug/l	97
40) Benzene	8.613	78	562989	18.345	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	70951	14.994	ug/l	91
42) 1,2-Dichloroethane	8.678	62	187727	19.875	ug/l	100
43) Isopropyl Acetate	8.695	43	249364	15.351	ug/l	98
44) Trichloroethene	9.354	130	144625	19.696	ug/l	94
45) 1,2-Dichloropropane	9.625	63	135077	18.533	ug/l	92
46) Dibromomethane	9.713	93	104409	19.013	ug/l	97
47) Bromodichloromethane	9.889	83	206232	18.789	ug/l	96
48) Methyl methacrylate	9.683	41	111091	16.032	ug/l	97
49) 1,4-Dioxane	9.695	88	52125	310.268	ug/l #	87
51) 4-Methyl-2-Pentanone	10.448	43	722537	76.954	ug/l	99
52) Toluene	10.630	92	378886	18.862	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	214953	18.035	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	231407	18.227	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	146806	18.618	ug/l	98
56) Ethyl methacrylate	10.877	69	204363	16.640	ug/l	98
57) 1,3-Dichloropropane	11.166	76	240149	18.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	271095	74.150	ug/l	93
59) 2-Hexanone	11.195	43	523045	74.775	ug/l	98
60) Dibromochloromethane	11.360	129	157115	19.347	ug/l	99
61) 1,2-Dibromoethane	11.472	107	148714	18.895	ug/l	99
64) Tetrachloroethene	11.107	164	113303	20.295	ug/l	96
65) Chlorobenzene	11.895	112	400499	20.129	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.960	131	147987	19.657	ug/l	98
67) Ethyl Benzene	11.966	91	715251	19.481	ug/l	99
68) m/p-Xylenes	12.072	106	560388	38.845	ug/l	100
69) o-Xylene	12.401	106	279240	19.621	ug/l	98
70) Styrene	12.413	104	442344	19.314	ug/l	98
71) Bromoform	12.583	173	97948	18.483	ug/l #	99
73) Isopropylbenzene	12.701	105	719406	20.237	ug/l	100
74) N-amyl acetate	12.495	43	208131	15.449	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	209134	18.746	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	155284m	17.817	ug/l	
77) Bromobenzene	12.983	156	150408	20.808	ug/l	91
78) n-propylbenzene	13.036	91	792156	20.167	ug/l	100
79) 2-Chlorotoluene	13.124	91	469065	19.833	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	565928	19.932	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	64692	16.704	ug/l	96
82) 4-Chlorotoluene	13.224	91	454676	20.390	ug/l	99
83) tert-Butylbenzene	13.442	119	510451	20.198	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	533999	19.037	ug/l	99
85) sec-Butylbenzene	13.618	105	717800	20.380	ug/l	99
86) p-Isopropyltoluene	13.730	119	558669	20.182	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	272491	20.377	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	263230	19.961	ug/l	98
89) n-Butylbenzene	14.060	91	433096	18.847	ug/l	100
90) Hexachloroethane	14.336	117	116117	19.185	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	272271	20.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	36042	17.047	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	64543	13.365	ug/l	93
94) Hexachlorobutadiene	15.465	225	55748	19.942	ug/l	97
95) Naphthalene	15.589	128	244807	13.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	66352	14.364	ug/l	99

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

