

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078038.D
 Acq On : 05 Jun 2023 12:46
 Operator : JC\MD
 Sample : VN0605WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0605WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 01:59:12 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	8.236	168	323501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	508212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	253794	52.432	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	8.171	113	213179	56.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.620%			
50) Toluene-d8	10.571	98	765242	52.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.853	95	250713	49.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	54074	14.687	ug/l	96
3) Chloromethane	2.371	50	61547	14.495	ug/l	97
4) Vinyl Chloride	2.524	62	79011	17.022	ug/l	99
5) Bromomethane	2.959	94	66431	19.351	ug/l	97
6) Chloroethane	3.130	64	62790	18.770	ug/l	98
7) Trichlorofluoromethane	3.506	101	121567	18.793	ug/l	90
8) Diethyl Ether	3.965	74	46117	19.528	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.389	101	71984	20.108	ug/l	97
10) Methyl Iodide	4.600	142	88022	20.617	ug/l	99
11) Tert butyl alcohol	5.536	59	61955	92.744	ug/l	98
12) 1,1-Dichloroethene	4.348	96	64126	18.847	ug/l	92
13) Acrolein	4.195	56	26908	40.691	ug/l	91
14) Allyl chloride	5.030	41	85773	17.160	ug/l	93
15) Acrylonitrile	5.730	53	163904	91.838	ug/l	97
16) Acetone	4.436	43	138578	90.999	ug/l	94
17) Carbon Disulfide	4.724	76	140743	15.352	ug/l	98
18) Methyl Acetate	5.036	43	120724	18.897	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	246899	20.047	ug/l	98
20) Methylene Chloride	5.289	84	83779	19.949	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	73421	19.210	ug/l	96
22) Diisopropyl ether	6.683	45	231973	19.800	ug/l #	92
23) Vinyl Acetate	6.612	43	675354	93.037	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	146382	20.394	ug/l	95
25) 2-Butanone	7.494	43	212820	89.337	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	122243	20.046	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	91257	19.913	ug/l	93
28) Bromochloromethane	7.818	49	59180	19.064	ug/l	92
29) Tetrahydrofuran	7.841	42	131275	84.159	ug/l	87
30) Chloroform	7.971	83	159107	20.151	ug/l	96
31) Cyclohexane	8.265	56	113407	17.238	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	133830	19.936	ug/l	95
36) 1,1-Dichloropropene	8.377	75	109483	19.947	ug/l	96
37) Ethyl Acetate	7.571	43	89386	18.272	ug/l #	92
38) Carbon Tetrachloride	8.371	117	117716	21.240	ug/l	95
39) Methylcyclohexane	9.612	83	123537	18.385	ug/l	98
40) Benzene	8.612	78	332186	20.510	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	46828	17.974	ug/l	96
42) 1,2-Dichloroethane	8.677	62	122143	20.760	ug/l	100
43) Isopropyl Acetate	8.694	43	162777	20.371	ug/l	93
44) Trichloroethene	9.359	130	87105	21.239	ug/l	96
45) 1,2-Dichloropropane	9.624	63	90849	21.990	ug/l	94
46) Dibromomethane	9.718	93	62450	21.125	ug/l	95
47) Bromodichloromethane	9.894	83	127877	22.594	ug/l	99
48) Methyl methacrylate	9.688	41	71059	18.757	ug/l	90
49) 1,4-Dioxane	9.700	88	29602	413.699	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	457858	96.397	ug/l	93
52) Toluene	10.635	92	214258	21.249	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	128197	21.390	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	141905	21.485	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	88110	22.008	ug/l	98
56) Ethyl methacrylate	10.877	69	122080	20.167	ug/l	93
57) 1,3-Dichloropropane	11.171	76	150309	21.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	258284	86.729	ug/l	93
59) 2-Hexanone	11.200	43	312954	89.080	ug/l	90
60) Dibromochloromethane	11.365	129	93751	22.683	ug/l	97
61) 1,2-Dibromoethane	11.477	107	87559	21.922	ug/l	99
64) Tetrachloroethene	11.112	164	74982	21.098	ug/l	89
65) Chlorobenzene	11.894	112	231941	21.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	89287	23.422	ug/l	99
67) Ethyl Benzene	11.971	91	405156	20.521	ug/l	98
68) m/p-Xylenes	12.076	106	311355	41.619	ug/l	99
69) o-Xylene	12.406	106	155539	21.141	ug/l	99
70) Styrene	12.418	104	243148	20.804	ug/l	96
71) Bromoform	12.582	173	57989	22.866	ug/l #	96
73) Isopropylbenzene	12.700	105	399444	22.778	ug/l	99
74) N-amyl acetate	12.500	43	119717	18.470	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	121972	22.609	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	96073m	18.857	ug/l	
77) Bromobenzene	12.988	156	88410	22.092	ug/l	98
78) n-propylbenzene	13.041	91	450541	21.793	ug/l	99
79) 2-Chlorotoluene	13.129	91	270545	21.930	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	333148	22.604	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	29092	18.253	ug/l #	84
82) 4-Chlorotoluene	13.229	91	258733	21.079	ug/l	97
83) tert-Butylbenzene	13.447	119	292385	22.725	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	330256	22.784	ug/l	99
85) sec-Butylbenzene	13.623	105	405866	22.196	ug/l	100
86) p-Isopropyltoluene	13.735	119	328672	22.546	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	158253	21.383	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	151100	20.575	ug/l	98
89) n-Butylbenzene	14.065	91	258891	19.308	ug/l	98
90) Hexachloroethane	14.341	117	57955	24.200	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	157344	22.758	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18880	18.077	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	57509	14.234	ug/l	99
94) Hexachlorobutadiene	15.506	225	38226	22.787	ug/l	97
95) Naphthalene	15.647	128	161814	11.636	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	64541	16.315	ug/l	98

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

