

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078416.D
 Acq On : 27 Jun 2023 14:55
 Operator : JC\MD
 Sample : VN0627WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 07:09:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	492836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	862428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	741909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	279775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	338497	51.514	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	8.171	113	294564	54.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.040%			
50) Toluene-d8	10.571	98	1076969	51.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.853	95	337840	51.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	97909	17.575	ug/l	98
3) Chloromethane	2.371	50	113638	20.610	ug/l	97
4) Vinyl Chloride	2.524	62	160368	21.983	ug/l	94
5) Bromomethane	2.959	94	114828	20.828	ug/l	98
6) Chloroethane	3.124	64	112022	22.526	ug/l	94
7) Trichlorofluoromethane	3.506	101	202083	20.428	ug/l	99
8) Diethyl Ether	3.965	74	70272	20.217	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.383	101	114913	22.011	ug/l	97
10) Methyl Iodide	4.600	142	151591	20.532	ug/l	91
11) Tert butyl alcohol	5.536	59	94108	103.721	ug/l	98
12) 1,1-Dichloroethene	4.353	96	106267	19.746	ug/l	96
13) Acrolein	4.195	56	82138	82.139	ug/l	98
14) Allyl chloride	5.036	41	145193	22.101	ug/l	95
15) Acrylonitrile	5.736	53	259513	110.940	ug/l	99
16) Acetone	4.436	43	246451	130.302	ug/l	92
17) Carbon Disulfide	4.724	76	270975	19.562	ug/l	99
18) Methyl Acetate	5.036	43	185335	21.284	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	364216	21.211	ug/l	98
20) Methylene Chloride	5.289	84	126990	20.318	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	119410	20.572	ug/l	90
22) Diisopropyl ether	6.677	45	347180	22.467	ug/l	94
23) Vinyl Acetate	6.612	43	1018400	110.865	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	226258	22.195	ug/l	96
25) 2-Butanone	7.489	43	341959	117.571	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	199565	26.513	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	142412	20.569	ug/l	93
28) Bromochloromethane	7.818	49	107259	22.916	ug/l	89
29) Tetrahydrofuran	7.847	42	211985	109.025	ug/l #	84
30) Chloroform	7.971	83	243734	22.204	ug/l	95
31) Cyclohexane	8.265	56	177193	21.021	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	213187	22.121	ug/l	98
36) 1,1-Dichloropropene	8.377	75	177979	22.755	ug/l	97
37) Ethyl Acetate	7.565	43	141570	23.169	ug/l #	93
38) Carbon Tetrachloride	8.371	117	190045	23.011	ug/l	98
39) Methylcyclohexane	9.606	83	160640	19.818	ug/l	93
40) Benzene	8.612	78	524559	22.464	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	71772	21.670	ug/l	91
42) 1,2-Dichloroethane	8.677	62	181374	22.654	ug/l	99
43) Isopropyl Acetate	8.694	43	243512	20.838	ug/l #	93
44) Trichloroethene	9.359	130	138294	22.426	ug/l	96
45) 1,2-Dichloropropane	9.630	63	136636	23.518	ug/l	95
46) Dibromomethane	9.712	93	94252	22.025	ug/l	93
47) Bromodichloromethane	9.894	83	191405	24.079	ug/l	97
48) Methyl methacrylate	9.688	41	111047	22.644	ug/l	88
49) 1,4-Dioxane	9.700	88	45013	436.719	ug/l	89
51) 4-Methyl-2-Pentanone	10.453	43	710816	115.513	ug/l	93
52) Toluene	10.635	92	330777	22.436	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	197085	23.807	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	217326	23.749	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	130830	23.458	ug/l	99
56) Ethyl methacrylate	10.877	69	177647	21.875	ug/l #	88
57) 1,3-Dichloropropane	11.171	76	216207	22.966	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	273878	83.485	ug/l	92
59) 2-Hexanone	11.200	43	499594	116.600	ug/l	93
60) Dibromochloromethane	11.365	129	142977	23.428	ug/l	98
61) 1,2-Dibromoethane	11.476	107	132240	22.594	ug/l	100
64) Tetrachloroethene	11.112	164	123816	25.016	ug/l	92
65) Chlorobenzene	11.894	112	351304	22.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	133728	22.884	ug/l	97
67) Ethyl Benzene	11.971	91	608947	22.212	ug/l	100
68) m/p-Xylenes	12.076	106	474258	45.392	ug/l	100
69) o-Xylene	12.400	106	231920	22.604	ug/l	97
70) Styrene	12.418	104	364744	22.581	ug/l	98
71) Bromoform	12.582	173	87239	23.133	ug/l #	99
73) Isopropylbenzene	12.700	105	566151	21.399	ug/l	99
74) N-amyl acetate	12.500	43	183781	21.095	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	181359	23.633	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	143129m	21.640	ug/l	
77) Bromobenzene	12.988	156	131221	21.366	ug/l	99
78) n-propylbenzene	13.041	91	635473	22.108	ug/l	99
79) 2-Chlorotoluene	13.129	91	398482	21.476	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	455763	21.278	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	49226	22.866	ug/l	86
82) 4-Chlorotoluene	13.229	91	378931	21.882	ug/l	98
83) tert-Butylbenzene	13.441	119	375105	20.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	452682	21.799	ug/l	100
85) sec-Butylbenzene	13.623	105	482397	19.795	ug/l	99
86) p-Isopropyltoluene	13.735	119	389719	19.706	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	216760	20.865	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	216813	21.629	ug/l	99
89) n-Butylbenzene	14.059	91	296331	18.997	ug/l	97
90) Hexachloroethane	14.335	117	73369	20.905	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	215854	21.260	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27241	20.788	ug/l	100
93) 1,2,4-Trichlorobenzene	15.400	180	60209	16.644	ug/l	95
94) Hexachlorobutadiene	15.500	225	40109	21.070	ug/l	98
95) Naphthalene	15.647	128	183925	15.115	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	69719	17.232	ug/l	97

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

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