

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078351.D
 Acq On : 22 Jun 2023 15:40
 Operator : JC\MD
 Sample : VN0622WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2023
 Supervised By : Mahesh Dadoda 06/23/2023

Quant Time: Jun 23 08:02:29 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	8.235	168	425041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	770785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	649108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	291986	51.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	249068	51.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	10.571	98	922867	49.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.853	95	283185	48.484	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	96720	20.131	ug/l	97
3) Chloromethane	2.371	50	99740	21.008	ug/l	94
4) Vinyl Chloride	2.524	62	142287	22.616	ug/l	98
5) Bromomethane	2.965	94	99712	20.971	ug/l	99
6) Chloroethane	3.130	64	92382	21.540	ug/l	100
7) Trichlorofluoromethane	3.506	101	162541	19.051	ug/l	99
8) Diethyl Ether	3.971	74	54585	18.209	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.389	101	86898	19.300	ug/l	97
10) Methyl Iodide	4.600	142	122030	19.164	ug/l	99
11) Tert butyl alcohol	5.542	59	68154	87.097	ug/l	99
12) 1,1-Dichloroethene	4.353	96	86238	18.580	ug/l	92
13) Acrolein	4.189	56	79297	91.946	ug/l	98
14) Allyl chloride	5.036	41	119488	21.089	ug/l	96
15) Acrylonitrile	5.730	53	186728	92.557	ug/l	96
16) Acetone	4.442	43	156591	95.997	ug/l	98
17) Carbon Disulfide	4.724	76	219185	18.347	ug/l	99
18) Methyl Acetate	5.042	43	143327	19.085	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	272856	18.425	ug/l	100
20) Methylene Chloride	5.289	84	101909	18.906	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	92696	18.517	ug/l	93
22) Diisopropyl ether	6.683	45	263874	19.799	ug/l	94
23) Vinyl Acetate	6.618	43	771375	97.367	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	175521	19.964	ug/l	98
25) 2-Butanone	7.494	43	238788	95.194	ug/l	88
26) 2,2-Dichloropropane	7.500	77	144212	22.215	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	110420	18.492	ug/l	92
28) Bromochloromethane	7.824	49	85529	21.188	ug/l	91
29) Tetrahydrofuran	7.847	42	152793	91.116	ug/l	86
30) Chloroform	7.977	83	187933	19.851	ug/l	90
31) Cyclohexane	8.265	56	135465	18.634	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	160336	19.291	ug/l	96
36) 1,1-Dichloropropene	8.383	75	135427	19.373	ug/l	98
37) Ethyl Acetate	7.571	43	109414	20.035	ug/l #	95
38) Carbon Tetrachloride	8.371	117	142507	19.306	ug/l	93
39) Methylcyclohexane	9.606	83	125039	17.260	ug/l	89
40) Benzene	8.612	78	411402	19.713	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	50845	17.177	ug/l	94
42) 1,2-Dichloroethane	8.677	62	140350	19.614	ug/l	97
43) Isopropyl Acetate	8.694	43	189449	18.140	ug/l #	91
44) Trichloroethene	9.359	130	101442	18.406	ug/l	96
45) 1,2-Dichloropropane	9.629	63	101764	19.599	ug/l	96
46) Dibromomethane	9.718	93	72863	19.051	ug/l	95
47) Bromodichloromethane	9.894	83	135902	19.130	ug/l	97
48) Methyl methacrylate	9.688	41	82591	18.844	ug/l	88
49) 1,4-Dioxane	9.700	88	32520	353.024	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	514976	93.637	ug/l	93
52) Toluene	10.635	92	253232	19.218	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	146193	19.759	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	162627	19.884	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	97282	19.517	ug/l	93
56) Ethyl methacrylate	10.882	69	135814	18.713	ug/l	91
57) 1,3-Dichloropropane	11.171	76	167636	19.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	217142	74.060	ug/l	92
59) 2-Hexanone	11.200	43	352174	91.966	ug/l	93
60) Dibromochloromethane	11.365	129	105029	19.256	ug/l	96
61) 1,2-Dibromoethane	11.476	107	98497	18.830	ug/l	100
64) Tetrachloroethene	11.112	164	81374	18.791	ug/l	97
65) Chlorobenzene	11.900	112	263189	18.933	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	102118	19.973	ug/l	96
67) Ethyl Benzene	11.970	91	447046	18.638	ug/l	99
68) m/p-Xylenes	12.076	106	343901	37.621	ug/l	99
69) o-Xylene	12.406	106	169606	18.894	ug/l	98
70) Styrene	12.418	104	265735	18.804	ug/l	99
71) Bromoform	12.582	173	61310	18.582	ug/l #	96
73) Isopropylbenzene	12.700	105	406692	17.763	ug/l	99
74) N-amyl acetate	12.500	43	129780	17.213	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	136960	20.295	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	105541m	18.439	ug/l	
77) Bromobenzene	12.988	156	96357	18.129	ug/l	99
78) n-propylbenzene	13.041	91	440349	17.702	ug/l	99
79) 2-Chlorotoluene	13.129	91	289705	18.042	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	331453	17.881	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	34454	18.493	ug/l	91
82) 4-Chlorotoluene	13.229	91	266050	17.753	ug/l	98
83) tert-Butylbenzene	13.447	119	271584	16.854	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	327315	18.213	ug/l	99
85) sec-Butylbenzene	13.623	105	351294	16.657	ug/l	99
86) p-Isopropyltoluene	13.735	119	290881	16.996	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	152326	16.943	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	150152	17.308	ug/l	98
89) n-Butylbenzene	14.059	91	215586	15.970	ug/l	96
90) Hexachloroethane	14.335	117	49528	16.307	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	153080	17.422	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17872	15.759	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	38328	12.243	ug/l	97
94) Hexachlorobutadiene	15.506	225	29186	17.266	ug/l	99
95) Naphthalene	15.647	128	118090	11.214	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	44341	12.664	ug/l	96

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

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