

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078252.D
 Acq On : 16 Jun 2023 12:02
 Operator : JC\MD
 Sample : VN0616WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 17 02:20:39 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	8.229	168	387592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	703443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	615644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	270669	52.376	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	8.177	113	221668	49.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.570	98	838393	48.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.853	95	258444	48.484	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	69972	15.971	ug/l	94
3) Chloromethane	2.371	50	77322	17.576	ug/l	96
4) Vinyl Chloride	2.524	62	100618	17.538	ug/l	99
5) Bromomethane	2.971	94	75576	17.431	ug/l	90
6) Chloroethane	3.136	64	73263	18.733	ug/l	100
7) Trichlorofluoromethane	3.506	101	137198	17.635	ug/l	96
8) Diethyl Ether	3.971	74	46930	17.168	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	78324	19.076	ug/l	100
10) Methyl Iodide	4.600	142	104016	17.914	ug/l	96
11) Tert butyl alcohol	5.530	59	59901	83.946	ug/l	99
12) 1,1-Dichloroethene	4.353	96	73717	17.417	ug/l	90
13) Acrolein	4.194	56	59335	75.448	ug/l	97
14) Allyl chloride	5.036	41	105416	20.403	ug/l	96
15) Acrylonitrile	5.736	53	175858	95.592	ug/l	100
16) Acetone	4.436	43	136306	91.636	ug/l	90
17) Carbon Disulfide	4.724	76	173002	15.880	ug/l	98
18) Methyl Acetate	5.041	43	125857	18.378	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	251882	18.652	ug/l	99
20) Methylene Chloride	5.289	84	88955	18.097	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	78744	17.249	ug/l #	80
22) Diisopropyl ether	6.677	45	244010	20.078	ug/l #	93
23) Vinyl Acetate	6.612	43	675890	93.557	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	158537	19.775	ug/l	96
25) 2-Butanone	7.494	43	216257	94.542	ug/l	87
26) 2,2-Dichloropropane	7.500	77	127635	21.561	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	97221	17.854	ug/l	92
28) Bromochloromethane	7.824	49	82243	22.343	ug/l	88
29) Tetrahydrofuran	7.847	42	137162	89.698	ug/l	88
30) Chloroform	7.971	83	167044	19.349	ug/l	92
31) Cyclohexane	8.265	56	121797	18.373	ug/l #	80
32) 1,1,1-Trichloroethane	8.177	97	147976	19.524	ug/l	98
36) 1,1-Dichloropropene	8.377	75	118512	18.576	ug/l	96
37) Ethyl Acetate	7.571	43	89064	17.870	ug/l #	91
38) Carbon Tetrachloride	8.365	117	126227	18.738	ug/l	88
39) Methylcyclohexane	9.612	83	103093	15.593	ug/l	89
40) Benzene	8.612	78	357453	18.767	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	51618	19.108	ug/l	89
42) 1,2-Dichloroethane	8.677	62	124376	19.046	ug/l	98
43) Isopropyl Acetate	8.694	43	158804	16.661	ug/l	95
44) Trichloroethene	9.359	130	88336	17.562	ug/l	99
45) 1,2-Dichloropropane	9.629	63	91436	19.295	ug/l	92
46) Dibromomethane	9.712	93	64689	18.533	ug/l	96
47) Bromodichloromethane	9.894	83	133836	20.642	ug/l #	95
48) Methyl methacrylate	9.688	41	74326	18.582	ug/l	90
49) 1,4-Dioxane	9.700	88	28537	339.443	ug/l	95
51) 4-Methyl-2-Pentanone	10.453	43	484724	96.574	ug/l	91
52) Toluene	10.635	92	224967	18.708	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	132734	19.658	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	144258	19.327	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	89862	19.754	ug/l	94
56) Ethyl methacrylate	10.882	69	119089	17.979	ug/l #	90
57) 1,3-Dichloropropane	11.170	76	151993	19.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	240476	89.870	ug/l	90
59) 2-Hexanone	11.200	43	327094	93.594	ug/l	92
60) Dibromochloromethane	11.365	129	94650	19.014	ug/l	97
61) 1,2-Dibromoethane	11.476	107	86516	18.123	ug/l	98
64) Tetrachloroethene	11.112	164	78828	19.193	ug/l	95
65) Chlorobenzene	11.900	112	237148	17.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	90393	18.641	ug/l	98
67) Ethyl Benzene	11.970	91	411614	18.093	ug/l	94
68) m/p-Xylenes	12.076	106	314269	36.249	ug/l	98
69) o-Xylene	12.406	106	153542	18.034	ug/l	99
70) Styrene	12.417	104	242565	18.097	ug/l	98
71) Bromoform	12.582	173	59296	18.948	ug/l #	97
73) Isopropylbenzene	12.700	105	387916	17.892	ug/l	99
74) N-amyl acetate	12.500	43	123364	17.278	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	125327	19.525	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	99387m	18.336	ug/l	
77) Bromobenzene	12.988	156	88397	17.563	ug/l	98
78) n-propylbenzene	13.041	91	425215	18.051	ug/l	99
79) 2-Chlorotoluene	13.129	91	268132	17.634	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	311881	17.767	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	30364	17.211	ug/l #	86
82) 4-Chlorotoluene	13.229	91	255756	18.022	ug/l	100
83) tert-Butylbenzene	13.441	119	252633	16.557	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	305463	17.949	ug/l	99
85) sec-Butylbenzene	13.623	105	330308	16.539	ug/l	98
86) p-Isopropyltoluene	13.735	119	266538	16.446	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	145326	17.070	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	142676	17.368	ug/l	97
89) n-Butylbenzene	14.059	91	202044	15.805	ug/l	96
90) Hexachloroethane	14.341	117	49545	17.226	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	150084	18.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	19115	17.799	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	40770	13.753	ug/l	98
94) Hexachlorobutadiene	15.511	225	25242	15.524	ug/l	98
95) Naphthalene	15.647	128	131296	13.167	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	48611	14.661	ug/l	98

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

