

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078282.D
 Acq On : 19 Jun 2023 16:12
 Operator : JC\MD
 Sample : VN0619WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/22/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 20 01:29:14 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	387680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	703622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	595742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	221598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	277617	53.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	8.177	113	228689	51.403	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.577	98	838429	48.885	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.853	95	260840	48.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	68626	15.660	ug/l	99
3) Chloromethane	2.371	50	79701	18.171	ug/l	98
4) Vinyl Chloride	2.518	62	107242	18.688	ug/l	95
5) Bromomethane	2.959	94	82995	19.138	ug/l	95
6) Chloroethane	3.130	64	79359	20.287	ug/l	99
7) Trichlorofluoromethane	3.506	101	139375	17.910	ug/l	92
8) Diethyl Ether	3.971	74	49407	18.070	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.383	101	75363	18.351	ug/l	99
10) Methyl Iodide	4.606	142	98530	16.965	ug/l	96
11) Tert butyl alcohol	5.536	59	72080	100.991	ug/l	99
12) 1,1-Dichloroethene	4.348	96	71658	16.927	ug/l	87
13) Acrolein	4.189	56	86508	109.974	ug/l	94
14) Allyl chloride	5.030	41	96703	18.713	ug/l	89
15) Acrylonitrile	5.730	53	192874	104.817	ug/l	99
16) Acetone	4.442	43	151097	101.556	ug/l	98
17) Carbon Disulfide	4.718	76	163723	15.025	ug/l	100
18) Methyl Acetate	5.042	43	140412	20.499	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	266296	19.715	ug/l	97
20) Methylene Chloride	5.289	84	94631	19.247	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	77725	17.022	ug/l #	83
22) Diisopropyl ether	6.683	45	245058	20.160	ug/l	97
23) Vinyl Acetate	6.612	43	707617	97.927	ug/l #	88
24) 1,1-Dichloroethane	6.583	63	156047	19.460	ug/l	96
25) 2-Butanone	7.494	43	238085	104.061	ug/l	89
26) 2,2-Dichloropropane	7.500	77	127937	21.607	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	97187	17.844	ug/l	92
28) Bromochloromethane	7.818	49	80871	21.965	ug/l	87
29) Tetrahydrofuran	7.847	42	160750	105.099	ug/l #	83
30) Chloroform	7.971	83	170458	19.740	ug/l	90
31) Cyclohexane	8.271	56	109082	16.451	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	148949	19.648	ug/l	99
36) 1,1-Dichloropropene	8.383	75	114575	17.954	ug/l	96
37) Ethyl Acetate	7.577	43	102244	20.510	ug/l	97
38) Carbon Tetrachloride	8.371	117	121323	18.005	ug/l	98
39) Methylcyclohexane	9.612	83	88589	13.396	ug/l	93
40) Benzene	8.612	78	360188	18.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	51253	18.968	ug/l	89
42) 1,2-Dichloroethane	8.677	62	129875	19.883	ug/l	97
43) Isopropyl Acetate	8.694	43	185607	19.468	ug/l #	92
44) Trichloroethene	9.359	130	88818	17.653	ug/l	99
45) 1,2-Dichloropropane	9.630	63	92856	19.590	ug/l	89
46) Dibromomethane	9.718	93	64799	18.560	ug/l	93
47) Bromodichloromethane	9.894	83	129927	20.034	ug/l	91
48) Methyl methacrylate	9.688	41	76406	19.097	ug/l	93
49) 1,4-Dioxane	9.700	88	32981	392.203	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	531758	105.918	ug/l	93
52) Toluene	10.635	92	222215	18.474	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	131953	19.537	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	142612	19.102	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	92766	20.387	ug/l	89
56) Ethyl methacrylate	10.882	69	130961	19.766	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	154722	20.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	248010	92.662	ug/l	92
59) 2-Hexanone	11.200	43	372450	106.545	ug/l	90
60) Dibromochloromethane	11.365	129	96185	19.318	ug/l	99
61) 1,2-Dibromoethane	11.476	107	92883	19.451	ug/l	98
64) Tetrachloroethene	11.112	164	69713	17.541	ug/l	95
65) Chlorobenzene	11.894	112	231559	18.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	91724	19.547	ug/l	99
67) Ethyl Benzene	11.971	91	398191	18.088	ug/l	98
68) m/p-Xylenes	12.076	106	293624	34.999	ug/l	96
69) o-Xylene	12.406	106	150203	18.231	ug/l	98
70) Styrene	12.418	104	240213	18.520	ug/l	98
71) Bromoform	12.582	173	61097	20.176	ug/l #	100
73) Isopropylbenzene	12.700	105	346812	16.550	ug/l	99
74) N-amyl acetate	12.500	43	129694	18.795	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	134252	21.919	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	101653m	19.404	ug/l	
77) Bromobenzene	12.988	156	87118	17.909	ug/l	99
78) n-propylbenzene	13.041	91	376062	16.518	ug/l	98
79) 2-Chlorotoluene	13.129	91	256441	17.450	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	274265	16.166	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	32649	19.148	ug/l	92
82) 4-Chlorotoluene	13.229	91	231808	16.901	ug/l	98
83) tert-Butylbenzene	13.441	119	232721	15.780	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	274428	16.684	ug/l	100
85) sec-Butylbenzene	13.623	105	282288	14.624	ug/l	99
86) p-Isopropyltoluene	13.735	119	233842	14.929	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	131890	16.029	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	131713	16.589	ug/l	98
89) n-Butylbenzene	14.065	91	175364	14.194	ug/l	95
90) Hexachloroethane	14.341	117	43044	15.485	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	138136	17.178	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18704	18.020	ug/l	87
93) 1,2,4-Trichlorobenzene	15.400	180	35003	12.217	ug/l	98
94) Hexachlorobutadiene	15.506	225	20385	12.506	ug/l	91
95) Naphthalene	15.647	128	119311	12.379	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	42486	13.258	ug/l	99

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

