

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078300.D
 Acq On : 20 Jun 2023 11:14
 Operator : JC\MD
 Sample : VN0620WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 05:43:04 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	8.236	168	452418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	808683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	699192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253987	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	336055	55.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.420%	
35) Dibromofluoromethane	8.177	113	287181	56.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.320%	
50) Toluene-d8	10.571	98	1064811	54.019	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	12.853	95	327840	53.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	81514	15.939	ug/l	99
3) Chloromethane	2.371	50	89706	17.458	ug/l	98
4) Vinyl Chloride	2.524	62	131842	19.688	ug/l	93
5) Bromomethane	2.959	94	96637	19.095	ug/l	94
6) Chloroethane	3.124	64	90985	19.931	ug/l	93
7) Trichlorofluoromethane	3.506	101	161200	17.751	ug/l	95
8) Diethyl Ether	3.977	74	57448	18.004	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.377	101	89885	18.755	ug/l	97
10) Methyl Iodide	4.601	142	117428	17.326	ug/l	99
11) Tert butyl alcohol	5.524	59	70411	84.536	ug/l	97
12) 1,1-Dichloroethene	4.348	96	83894	16.981	ug/l	89
13) Acrolein	4.195	56	84260	91.789	ug/l	90
14) Allyl chloride	5.036	41	109305	18.125	ug/l	90
15) Acrylonitrile	5.730	53	218409	101.710	ug/l	99
16) Acetone	4.448	43	170894	98.426	ug/l	90
17) Carbon Disulfide	4.724	76	199381	15.679	ug/l	97
18) Methyl Acetate	5.042	43	163240	20.421	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	309801	19.654	ug/l	100
20) Methylene Chloride	5.295	84	106621	18.583	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	92090	17.282	ug/l	91
22) Diisopropyl ether	6.683	45	297502	20.972	ug/l #	95
23) Vinyl Acetate	6.612	43	852872	101.140	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	188992	20.196	ug/l	95
25) 2-Butanone	7.489	43	262022	98.136	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	160131	23.175	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	117079	18.420	ug/l	92
28) Bromochloromethane	7.818	49	92379	21.500	ug/l	89
29) Tetrahydrofuran	7.847	42	174012	97.491	ug/l #	84
30) Chloroform	7.971	83	198303	19.679	ug/l	100
31) Cyclohexane	8.265	56	127598	16.490	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	177112	20.020	ug/l	98
36) 1,1-Dichloropropene	8.377	75	140072	19.098	ug/l	97
37) Ethyl Acetate	7.571	43	116161	20.274	ug/l #	95
38) Carbon Tetrachloride	8.371	117	149648	19.324	ug/l	94
39) Methylcyclohexane	9.606	83	107771	14.179	ug/l	91
40) Benzene	8.612	78	435943	19.910	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	62119	20.002	ug/l	92
42) 1,2-Dichloroethane	8.677	62	156709	20.874	ug/l	98
43) Isopropyl Acetate	8.694	43	212023	19.350	ug/l #	92
44) Trichloroethene	9.359	130	107249	18.547	ug/l	94
45) 1,2-Dichloropropane	9.624	63	112331	20.620	ug/l	94
46) Dibromomethane	9.712	93	79028	19.695	ug/l	97
47) Bromodichloromethane	9.894	83	161932	21.725	ug/l	96
48) Methyl methacrylate	9.688	41	92390	20.092	ug/l	90
49) 1,4-Dioxane	9.706	88	32773	339.098	ug/l	87
51) 4-Methyl-2-Pentanone	10.453	43	599832	103.955	ug/l	92
52) Toluene	10.635	92	265655	19.216	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	158788	20.456	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	176884	20.614	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	112014	21.419	ug/l	94
56) Ethyl methacrylate	10.877	69	155875	20.470	ug/l #	88
57) 1,3-Dichloropropane	11.171	76	186471	21.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	285072	92.672	ug/l	91
59) 2-Hexanone	11.200	43	419583	104.435	ug/l	91
60) Dibromochloromethane	11.359	129	118502	20.708	ug/l	100
61) 1,2-Dibromoethane	11.477	107	110143	20.069	ug/l	98
64) Tetrachloroethene	11.106	164	80257	17.206	ug/l	93
65) Chlorobenzene	11.900	112	284357	18.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	112845	20.490	ug/l	99
67) Ethyl Benzene	11.971	91	483076	18.697	ug/l	99
68) m/p-Xylenes	12.077	106	359249	36.485	ug/l	96
69) o-Xylene	12.406	106	185075	19.140	ug/l	99
70) Styrene	12.418	104	289429	19.013	ug/l	97
71) Bromoform	12.582	173	75922	21.362	ug/l #	96
73) Isopropylbenzene	12.700	105	432514	18.008	ug/l	98
74) N-amyl acetate	12.500	43	157925	19.967	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	156168	22.284	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	122470m	20.397	ug/l	
77) Bromobenzene	12.988	156	105662	18.951	ug/l	99
78) n-propylbenzene	13.041	91	467270	17.907	ug/l	99
79) 2-Chlorotoluene	13.129	91	308959	18.342	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	341079	17.540	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	41723	21.349	ug/l	91
82) 4-Chlorotoluene	13.229	91	290056	18.451	ug/l	100
83) tert-Butylbenzene	13.441	119	288645	17.077	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	344250	18.260	ug/l	99
85) sec-Butylbenzene	13.623	105	359262	16.239	ug/l	100
86) p-Isopropyltoluene	13.735	119	287468	16.012	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	166748	17.681	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	164634	18.091	ug/l	99
89) n-Butylbenzene	14.059	91	210097	14.836	ug/l	97
90) Hexachloroethane	14.341	117	56247	17.654	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	169199	18.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22950	19.291	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	41040	12.497	ug/l	92
94) Hexachlorobutadiene	15.506	225	27200	15.023	ug/l	98
95) Naphthalene	15.647	128	142850	12.932	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	50889	13.855	ug/l	94

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

