

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062423\
 Data File : VN078390.D
 Acq On : 24 Jun 2023 13:25
 Operator : JC\MD
 Sample : VN0624WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 26 01:48:06 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	383641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	682221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	586750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	261310	51.086	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.180%			
35) Dibromofluoromethane	8.177	113	228621	53.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.000%			
50) Toluene-d8	10.577	98	812754	48.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.853	95	252295	48.803	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	58984	13.601	ug/l	98
3) Chloromethane	2.371	50	78478	18.071	ug/l	97
4) Vinyl Chloride	2.524	62	99840	17.582	ug/l	92
5) Bromomethane	2.965	94	79947	18.629	ug/l	97
6) Chloroethane	3.130	64	73988	19.113	ug/l	93
7) Trichlorofluoromethane	3.506	101	173670	22.553	ug/l	99
8) Diethyl Ether	3.971	74	56319	20.814	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.383	101	93034	22.892	ug/l	96
10) Methyl Iodide	4.600	142	114545	19.930	ug/l	97
11) Tert butyl alcohol	5.536	59	74808	105.917	ug/l	99
12) 1,1-Dichloroethene	4.353	96	89744	21.422	ug/l	87
13) Acrolein	4.189	56	88687	113.931	ug/l	100
14) Allyl chloride	5.030	41	131958	25.804	ug/l	94
15) Acrylonitrile	5.730	53	217936	119.684	ug/l	99
16) Acetone	4.442	43	184186	125.099	ug/l	98
17) Carbon Disulfide	4.724	76	237048	21.983	ug/l	99
18) Methyl Acetate	5.042	43	160426	23.667	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	307788	23.027	ug/l	94
20) Methylene Chloride	5.289	84	111894	22.998	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	100885	22.327	ug/l	87
22) Diisopropyl ether	6.683	45	291599	24.241	ug/l #	91
23) Vinyl Acetate	6.612	43	862896	120.673	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	186767	23.536	ug/l	99
25) 2-Butanone	7.494	43	213946	94.495	ug/l	90
26) 2,2-Dichloropropane	7.500	77	125842	21.477	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	98843	18.339	ug/l	97
28) Bromochloromethane	7.824	49	79821	21.908	ug/l	90
29) Tetrahydrofuran	7.853	42	124331	82.144	ug/l	87
30) Chloroform	7.977	83	150606	17.625	ug/l	93
31) Cyclohexane	8.271	56	107587	16.397	ug/l #	86
32) 1,1,1-Trichloroethane	8.177	97	124931	16.653	ug/l	97
36) 1,1-Dichloropropene	8.377	75	104295	16.856	ug/l	96
37) Ethyl Acetate	7.565	43	91830	18.998	ug/l #	92
38) Carbon Tetrachloride	8.365	117	111233	17.026	ug/l	98
39) Methylcyclohexane	9.606	83	89356	13.935	ug/l #	84
40) Benzene	8.612	78	314311	17.016	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	44439	16.962	ug/l	89
42) 1,2-Dichloroethane	8.677	62	114523	18.082	ug/l	97
43) Isopropyl Acetate	8.700	43	145396	15.729	ug/l	95
44) Trichloroethene	9.359	130	80845	16.573	ug/l	98
45) 1,2-Dichloropropane	9.630	63	82247	17.896	ug/l	99
46) Dibromomethane	9.718	93	59117	17.464	ug/l	95
47) Bromodichloromethane	9.894	83	117288	18.653	ug/l	98
48) Methyl methacrylate	9.688	41	63723	16.427	ug/l	93
49) 1,4-Dioxane	9.706	88	24940	305.885	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	421923	86.677	ug/l	92
52) Toluene	10.635	92	197783	16.959	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	115834	17.688	ug/l	98
54) cis-1,3-Dichloropropene	10.324	75	125583	17.348	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	77701	17.612	ug/l	93
56) Ethyl methacrylate	10.877	69	108010	16.814	ug/l	92
57) 1,3-Dichloropropane	11.171	76	135142	18.147	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	225417	86.863	ug/l	94
59) 2-Hexanone	11.200	43	286143	84.423	ug/l	93
60) Dibromochloromethane	11.365	129	82503	17.090	ug/l	98
61) 1,2-Dibromoethane	11.471	107	81077	17.512	ug/l	97
64) Tetrachloroethene	11.106	164	67519	17.249	ug/l	91
65) Chlorobenzene	11.894	112	204134	16.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	78957	17.084	ug/l	98
67) Ethyl Benzene	11.971	91	357458	16.487	ug/l	97
68) m/p-Xylenes	12.076	106	270575	32.746	ug/l	100
69) o-Xylene	12.400	106	131226	16.172	ug/l	95
70) Styrene	12.418	104	208645	16.333	ug/l	97
71) Bromoform	12.588	173	52425	17.577	ug/l #	98
73) Isopropylbenzene	12.700	105	317519	15.736	ug/l	99
74) N-amyl acetate	12.500	43	107030	16.107	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	109706	18.211	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	87943m	17.433	ug/l	
77) Bromobenzene	12.988	156	78056	16.664	ug/l	97
78) n-propylbenzene	13.041	91	350704	15.997	ug/l	100
79) 2-Chlorotoluene	13.129	91	220762	15.600	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	256820	15.720	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	27336	16.649	ug/l #	79
82) 4-Chlorotoluene	13.229	91	215626	16.326	ug/l	99
83) tert-Butylbenzene	13.441	119	213875	15.061	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	248119	15.665	ug/l	97
85) sec-Butylbenzene	13.618	105	261924	14.092	ug/l	99
86) p-Isopropyltoluene	13.735	119	212691	14.101	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	122735	15.490	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	120994	15.825	ug/l	98
89) n-Butylbenzene	14.065	91	155500	13.070	ug/l	97
90) Hexachloroethane	14.335	117	41261	15.415	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	121597	15.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	15342	15.350	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	32854	11.908	ug/l	98
94) Hexachlorobutadiene	15.506	225	21320	13.827	ug/l	96
95) Naphthalene	15.647	128	99286	10.698	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	37138	12.035	ug/l	95

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

