

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077808.D
 Acq On : 23 May 2023 11:45
 Operator : JC\MD
 Sample : VN0523WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBS01

Quant Time: May 24 02:53:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	379268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	677916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	578091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	243770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	293667	51.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	8.171	113	256830	58.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.200%			
50) Toluene-d8	10.576	98	947514	55.686	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.853	95	310236	51.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	78838	18.265	ug/l	95
3) Chloromethane	2.371	50	78832	16.008	ug/l	95
4) Vinyl Chloride	2.524	62	102391	18.815	ug/l	97
5) Bromomethane	2.965	94	78894	19.602	ug/l	98
6) Chloroethane	3.130	64	73910	18.846	ug/l	97
7) Trichlorofluoromethane	3.506	101	153181	20.198	ug/l	98
8) Diethyl Ether	3.977	74	53438	19.301	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	87105	20.754	ug/l	98
10) Methyl Iodide	4.600	142	102412	20.460	ug/l	97
11) Tert butyl alcohol	5.536	59	73879	94.332	ug/l	98
12) 1,1-Dichloroethene	4.353	96	78012	19.557	ug/l	91
13) Acrolein	4.189	56	69721	129.215	ug/l	92
14) Allyl chloride	5.030	41	102601	17.508	ug/l	96
15) Acrylonitrile	5.730	53	198511	94.874	ug/l	98
16) Acetone	4.436	43	173028	96.914	ug/l	92
17) Carbon Disulfide	4.724	76	171396	15.946	ug/l	100
18) Methyl Acetate	5.030	43	141133	18.843	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	282126	19.539	ug/l	99
20) Methylene Chloride	5.289	84	95013	19.230	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	85948	19.181	ug/l	92
22) Diisopropyl ether	6.683	45	263574	19.189	ug/l	94
23) Vinyl Acetate	6.618	43	758754	89.157	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	168604	20.036	ug/l	97
25) 2-Butanone	7.488	43	250505	89.695	ug/l	89
26) 2,2-Dichloropropane	7.500	77	142607	19.947	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	108203	20.139	ug/l	95
28) Bromochloromethane	7.818	49	63480	17.443	ug/l	91
29) Tetrahydrofuran	7.847	42	164347	89.869	ug/l #	83
30) Chloroform	7.977	83	179698	19.412	ug/l	87
31) Cyclohexane	8.265	56	135565	17.577	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	159628	20.283	ug/l	98
36) 1,1-Dichloropropene	8.377	75	127859	19.775	ug/l	97
37) Ethyl Acetate	7.571	43	104575	18.146	ug/l	96
38) Carbon Tetrachloride	8.371	117	135928	20.819	ug/l	95
39) Methylcyclohexane	9.606	83	149663	18.907	ug/l #	87
40) Benzene	8.612	78	389009	20.388	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	54849	17.871	ug/l	92
42) 1,2-Dichloroethane	8.677	62	138341	19.959	ug/l	98
43) Isopropyl Acetate	8.694	43	179420	19.060	ug/l	95
44) Trichloroethene	9.359	130	104878	21.708	ug/l	88
45) 1,2-Dichloropropane	9.630	63	101176	20.789	ug/l	92
46) Dibromomethane	9.712	93	70445	20.228	ug/l	93
47) Bromodichloromethane	9.894	83	139881	20.980	ug/l	98
48) Methyl methacrylate	9.688	41	80640	18.068	ug/l	89
49) 1,4-Dioxane	9.700	88	32140	381.280	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	544605	97.331	ug/l	93
52) Toluene	10.635	92	245340	20.654	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	141818	20.086	ug/l	99
54) cis-1,3-Dichloropropene	10.324	75	153052	19.670	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	100661	21.342	ug/l	94
56) Ethyl methacrylate	10.882	69	142943	20.044	ug/l	93
57) 1,3-Dichloropropane	11.171	76	165416	20.458	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	298774	85.161	ug/l	91
59) 2-Hexanone	11.206	43	370768	89.586	ug/l	93
60) Dibromochloromethane	11.365	129	106724	21.919	ug/l	99
61) 1,2-Dibromoethane	11.476	107	98582	20.951	ug/l	97
64) Tetrachloroethene	11.112	164	99817	24.691	ug/l	95
65) Chlorobenzene	11.894	112	258011	20.588	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	99546	22.956	ug/l	99
67) Ethyl Benzene	11.971	91	461261	20.538	ug/l	100
68) m/p-Xylenes	12.076	106	354607	41.671	ug/l	98
69) o-Xylene	12.406	106	175368	20.955	ug/l	97
70) Styrene	12.418	104	270932	20.379	ug/l	96
71) Bromoform	12.582	173	63170	21.898	ug/l #	97
73) Isopropylbenzene	12.700	105	467508	22.248	ug/l	100
74) N-amyl acetate	12.500	43	137851	17.748	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	134519	20.809	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	116255m	19.043	ug/l	
77) Bromobenzene	12.988	156	100128	20.880	ug/l	97
78) n-propylbenzene	13.041	91	516935	20.867	ug/l	99
79) 2-Chlorotoluene	13.135	91	318017	21.513	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	385824	21.846	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	31893	16.699	ug/l #	81
82) 4-Chlorotoluene	13.229	91	288615	19.623	ug/l	97
83) tert-Butylbenzene	13.447	119	344162	22.323	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	381891	21.987	ug/l	97
85) sec-Butylbenzene	13.623	105	475133	21.684	ug/l	100
86) p-Isopropyltoluene	13.735	119	387953	22.209	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	178212	20.096	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	174105	19.784	ug/l	99
89) n-Butylbenzene	14.065	91	314791	19.592	ug/l	97
90) Hexachloroethane	14.341	117	64010	22.306	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	184153	22.228	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.729	75	22673	18.116	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	74464	15.381	ug/l	97
94) Hexachlorobutadiene	15.511	225	42586	21.186	ug/l	98
95) Naphthalene	15.647	128	215710	12.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	74986	15.819	ug/l	95

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

