

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079728.D
 Acq On : 30 Oct 2023 17:31
 Operator : JC\MD
 Sample : VN1030WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:31:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	273441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	464840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	431193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214432	48.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.660%		
35) Dibromofluoromethane	8.171	113	168554	50.746	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.500%		
50) Toluene-d8	10.571	98	638384	51.557	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.853	95	196891	50.494	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	68516	18.981	ug/l	99
3) Chloromethane	2.365	50	76324	17.454	ug/l	97
4) Vinyl Chloride	2.518	62	83071	17.639	ug/l	99
5) Bromomethane	2.959	94	55025	17.800	ug/l	94
6) Chloroethane	3.124	64	66771	19.354	ug/l	96
7) Trichlorofluoromethane	3.506	101	103577	18.703	ug/l	99
8) Diethyl Ether	3.971	74	36071	17.998	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.383	101	60410	18.834	ug/l	97
10) Methyl Iodide	4.594	142	57780	17.899	ug/l	92
11) Tert butyl alcohol	5.518	59	45966	78.921	ug/l	98
12) 1,1-Dichloroethene	4.342	96	53973	17.965	ug/l	91
13) Acrolein	4.183	56	47441	80.973	ug/l	94
14) Allyl chloride	5.030	41	82334	16.342	ug/l	89
15) Acrylonitrile	5.724	53	154678	86.306	ug/l	100
16) Acetone	4.430	43	144805	77.078	ug/l	99
17) Carbon Disulfide	4.718	76	161184	17.569	ug/l	99
18) Methyl Acetate	5.030	43	130121	17.168	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	180794	17.786	ug/l	92
20) Methylene Chloride	5.283	84	69710	18.738	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	61835	18.133	ug/l	86
22) Diisopropyl ether	6.677	45	208219	18.383	ug/l #	91
23) Vinyl Acetate	6.606	43	543756	87.194	ug/l #	84
24) 1,1-Dichloroethane	6.571	63	122336	18.024	ug/l	97
25) 2-Butanone	7.488	43	213204	82.619	ug/l #	78
26) 2,2-Dichloropropane	7.494	77	96360	17.545	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	71270	18.152	ug/l	88
28) Bromochloromethane	7.818	49	70095	21.114	ug/l #	74
29) Tetrahydrofuran	7.841	42	137334	87.111	ug/l #	76
30) Chloroform	7.971	83	124492	18.215	ug/l	99
31) Cyclohexane	8.265	56	104798	17.493	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	106790	18.024	ug/l	96
36) 1,1-Dichloropropene	8.371	75	93021	18.878	ug/l	94
37) Ethyl Acetate	7.565	43	83857	17.169	ug/l #	93
38) Carbon Tetrachloride	8.365	117	92050	18.733	ug/l	98
39) Methylcyclohexane	9.606	83	88145	17.984	ug/l #	84
40) Benzene	8.612	78	280851	19.312	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	42765	16.788	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	98184	18.588	ug/l	99
43) Isopropyl Acetate	8.694	43	135727	17.383	ug/l #	92
44) Trichloroethene	9.359	130	66772	18.954	ug/l	96
45) 1,2-Dichloropropane	9.629	63	73369	18.995	ug/l	99
46) Dibromomethane	9.718	93	47707	18.313	ug/l	95
47) Bromodichloromethane	9.894	83	99712	19.080	ug/l	99
48) Methyl methacrylate	9.688	41	63292	17.484	ug/l #	81
49) 1,4-Dioxane	9.700	88	22015	345.591	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	426906	87.870	ug/l	89
52) Toluene	10.635	92	169347	19.074	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	94285	17.866	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	108808	18.845	ug/l #	89
55) 1,1,2-Trichloroethane	11.023	97	65186	18.565	ug/l	96
56) Ethyl methacrylate	10.876	69	87329	17.611	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	116328	18.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	166625	91.205	ug/l	90
59) 2-Hexanone	11.200	43	300443	84.103	ug/l	86
60) Dibromochloromethane	11.365	129	67983	18.711	ug/l	96
61) 1,2-Dibromoethane	11.476	107	63661	18.198	ug/l	98
64) Tetrachloroethene	11.106	164	57647	18.846	ug/l	95
65) Chlorobenzene	11.894	112	173926	18.224	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	66494	18.751	ug/l	98
67) Ethyl Benzene	11.970	91	303241	18.035	ug/l	95
68) m/p-Xylenes	12.076	106	229586	36.918	ug/l	96
69) o-Xylene	12.400	106	106084	17.740	ug/l	96
70) Styrene	12.417	104	172612	18.020	ug/l	97
71) Bromoform	12.582	173	43204	17.009	ug/l #	96
73) Isopropylbenzene	12.700	105	267131	17.172	ug/l	100
74) N-amyl acetate	12.500	43	98810	15.970	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	93821	17.036	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	83589m	17.924	ug/l	
77) Bromobenzene	12.982	156	66562	18.195	ug/l	99
78) n-propylbenzene	13.041	91	317705	17.729	ug/l	98
79) 2-Chlorotoluene	13.129	91	195171	17.472	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	225162	17.757	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	24437	15.806	ug/l #	66
82) 4-Chlorotoluene	13.223	91	190735	17.777	ug/l	100
83) tert-Butylbenzene	13.441	119	177382	17.069	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	220120	17.993	ug/l	99
85) sec-Butylbenzene	13.623	105	251600	17.357	ug/l	99
86) p-Isopropyltoluene	13.735	119	198217	17.168	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	108089	17.465	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	106221	17.228	ug/l	98
89) n-Butylbenzene	14.059	91	151056	16.468	ug/l	97
90) Hexachloroethane	14.335	117	40520	16.610	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	103269	17.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12691	14.942	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	24749	13.793	ug/l	97
94) Hexachlorobutadiene	15.506	225	25528	16.035	ug/l	98
95) Naphthalene	15.647	128	58910	11.309	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	28085	14.017	ug/l	99

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

