

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077579.D
 Acq On : 04 May 2023 15:00
 Operator : JC\MD
 Sample : VN0504WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0504WBS02

Manual Integrations
 APPROVED

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

Quant Time: May 05 04:10:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	844687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1567809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1396187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	568602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	507784	46.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.140%		
35) Dibromofluoromethane	8.172	113	483784	51.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.680%		
50) Toluene-d8	10.572	98	1852708	51.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.600%		
62) 4-Bromofluorobenzene	12.848	95	641412	54.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	196945	18.461	ug/l	99
3) Chloromethane	2.372	50	136171	16.082	ug/l	99
4) Vinyl Chloride	2.525	62	192143	17.035	ug/l	91
5) Bromomethane	2.960	94	174371	17.846	ug/l	99
6) Chloroethane	3.131	64	130257	15.200	ug/l	94
7) Trichlorofluoromethane	3.507	101	330456	19.933	ug/l	99
8) Diethyl Ether	3.972	74	115413	19.158	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.384	101	194785	20.202	ug/l	98
10) Methyl Iodide	4.596	142	240428	20.297	ug/l	95
11) Tert butyl alcohol	5.531	59	142422	80.489	ug/l	98
12) 1,1-Dichloroethene	4.354	96	179726	19.066	ug/l	90
13) Acrolein	4.184	56	98392	55.897	ug/l	99
14) Allyl chloride	5.037	41	156647	14.947	ug/l #	85
15) Acrylonitrile	5.725	53	353615	88.093	ug/l	99
16) Acetone	4.437	43	319794	91.198	ug/l	96
17) Carbon Disulfide	4.725	76	420598	17.559	ug/l	97
18) Methyl Acetate	5.043	43	223053	16.472	ug/l	91
19) Methyl tert-butyl Ether	5.807	73	590109	18.824	ug/l	95
20) Methylene Chloride	5.290	84	211205	18.992	ug/l #	87
21) trans-1,2-Dichloroethene	5.795	96	200303	19.651	ug/l	89
22) Diisopropyl ether	6.684	45	401707	16.701	ug/l	94
23) Vinyl Acetate	6.613	43	1403786	93.452	ug/l	95
24) 1,1-Dichloroethane	6.572	63	306859	18.023	ug/l #	92
25) 2-Butanone	7.489	43	422251	84.899	ug/l	93
26) 2,2-Dichloropropane	7.495	77	316361	19.163	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	239026	19.800	ug/l	92
28) Bromochloromethane	7.819	49	113708	17.489	ug/l #	74
29) Tetrahydrofuran	7.848	42	246330	79.049	ug/l #	85
30) Chloroform	7.972	83	390466	20.350	ug/l	94
31) Cyclohexane	8.260	56	261337	16.737	ug/l #	76
32) 1,1,1-Trichloroethane	8.172	97	372850	21.136	ug/l	94
36) 1,1-Dichloropropene	8.378	75	266760	19.595	ug/l	98
37) Ethyl Acetate	7.566	43	163355	15.791	ug/l	96
38) Carbon Tetrachloride	8.366	117	311774	20.757	ug/l	96
39) Methylcyclohexane	9.601	83	367020	20.462	ug/l	95
40) Benzene	8.613	78	816997	19.700	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	82836	15.374	ug/l #	81
42) 1,2-Dichloroethane	8.672	62	263699	18.512	ug/l	97
43) Isopropyl Acetate	8.689	43	294271	16.443	ug/l #	91
44) Trichloroethene	9.354	130	225765	21.261	ug/l	97
45) 1,2-Dichloropropane	9.625	63	183379	18.876	ug/l	92
46) Dibromomethane	9.713	93	156702	19.879	ug/l	95
47) Bromodichloromethane	9.889	83	303107	19.879	ug/l	97
48) Methyl methacrylate	9.678	41	130198	15.982	ug/l	89
49) 1,4-Dioxane	9.695	88	80087	391.930	ug/l #	93
51) 4-Methyl-2-Pentanone	10.448	43	860713	81.994	ug/l	93
52) Toluene	10.630	92	576915	21.234	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	300423	19.458	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	330181	19.647	ug/l #	91
55) 1,1,2-Trichloroethane	11.019	97	226781	20.757	ug/l	95
56) Ethyl methacrylate	10.877	69	291923	19.069	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	351743	20.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	438724	84.728	ug/l	94
59) 2-Hexanone	11.195	43	638345	83.659	ug/l	92
60) Dibromochloromethane	11.360	129	236130	20.825	ug/l	99
61) 1,2-Dibromoethane	11.472	107	236974	21.245	ug/l	98
64) Tetrachloroethene	11.107	164	177100	21.190	ug/l	99
65) Chlorobenzene	11.895	112	621277	21.029	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	228144	21.225	ug/l	97
67) Ethyl Benzene	11.966	91	1074584	20.661	ug/l	99
68) m/p-Xylenes	12.071	106	849036	42.003	ug/l	99
69) o-Xylene	12.401	106	431863	21.721	ug/l	97
70) Styrene	12.413	104	673258	21.652	ug/l	99
71) Bromoform	12.583	173	150940	21.463	ug/l #	99
73) Isopropylbenzene	12.695	105	1103443	20.913	ug/l	99
74) N-amyl acetate	12.495	43	233875	14.972	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	304283	18.354	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	215467m	16.296	ug/l	
77) Bromobenzene	12.983	156	239236	20.804	ug/l	92
78) n-propylbenzene	13.036	91	1170794	20.068	ug/l	97
79) 2-Chlorotoluene	13.124	91	734970	20.433	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	871176	22.233	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	81367	17.386	ug/l	97
82) 4-Chlorotoluene	13.224	91	703316	20.925	ug/l	97
83) tert-Butylbenzene	13.442	119	792796	20.834	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	799463	21.846	ug/l	98
85) sec-Butylbenzene	13.618	105	1090450	20.878	ug/l	100
86) p-Isopropyltoluene	13.730	119	857981	21.350	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	419680	20.521	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	421379	20.868	ug/l	99
89) n-Butylbenzene	14.060	91	630611	20.277	ug/l	97
90) Hexachloroethane	14.336	117	161075	18.142	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	425471	20.976	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	55342	18.052	ug/l	93
93) 1,2,4-Trichlorobenzene	15.395	180	98467	20.115	ug/l	95
94) Hexachlorobutadiene	15.501	225	86088	21.003	ug/l	98
95) Naphthalene	15.642	128	380437	20.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	94927	20.565	ug/l	96

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

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