

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
 Data File : VN076868.D
 Acq On : 07 Mar 2023 13:43
 Operator : JC\MD
 Sample : VN0307WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0307WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2023
 Supervised By : Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 22:40:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	463284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	809905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	716624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	309675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	317220	48.838	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.680%		
35) Dibromofluoromethane	8.172	113	243721	48.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.200%		
50) Toluene-d8	10.566	98	967979	49.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.180%		
62) 4-Bromofluorobenzene	12.848	95	338429	50.034	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	108139	20.060	ug/l	100
3) Chloromethane	2.378	50	131268	18.514	ug/l	95
4) Vinyl Chloride	2.531	62	125847	19.364	ug/l	99
5) Bromomethane	2.972	94	81905	19.180	ug/l	91
6) Chloroethane	3.137	64	76772	19.681	ug/l	93
7) Trichlorofluoromethane	3.513	101	190069	20.044	ug/l	94
8) Diethyl Ether	3.972	74	79023	21.664	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.390	101	113439	20.460	ug/l	99
10) Methyl Iodide	4.607	142	126751	21.919	ug/l	96
11) Tert butyl alcohol	5.531	59	102624	106.397	ug/l	98
12) 1,1-Dichloroethene	4.360	96	105647	20.435	ug/l	94
13) Acrolein	4.195	56	140950	112.961	ug/l	99
14) Allyl chloride	5.042	41	174041	20.164	ug/l #	78
15) Acrylonitrile	5.731	53	330402	106.515	ug/l	99
16) Acetone	4.442	43	302437	106.670	ug/l	100
17) Carbon Disulfide	4.725	76	281444	20.052	ug/l	100
18) Methyl Acetate	5.042	43	206254	21.230	ug/l #	84
19) Methyl tert-butyl Ether	5.807	73	386356	21.793	ug/l	99
20) Methylene Chloride	5.295	84	129567	19.587	ug/l #	84
21) trans-1,2-Dichloroethene	5.801	96	115575	20.675	ug/l #	83
22) Diisopropyl ether	6.684	45	420241	21.641	ug/l #	92
23) Vinyl Acetate	6.613	43	1351744	109.283	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	229899	20.761	ug/l	96
25) 2-Butanone	7.489	43	444622	107.353	ug/l #	85
26) 2,2-Dichloropropane	7.495	77	175201	21.605	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	137269	20.962	ug/l	88
28) Bromochloromethane	7.819	49	106271	22.695	ug/l #	75
29) Tetrahydrofuran	7.848	42	292182	109.358	ug/l #	78
30) Chloroform	7.972	83	229293	20.848	ug/l	99
31) Cyclohexane	8.266	56	213050	19.417	ug/l	85
32) 1,1,1-Trichloroethane	8.178	97	196151	20.596	ug/l	96
36) 1,1-Dichloropropene	8.378	75	169377	20.800	ug/l	95
37) Ethyl Acetate	7.572	43	175838	21.037	ug/l #	94
38) Carbon Tetrachloride	8.366	117	166507	20.128	ug/l	98
39) Methylcyclohexane	9.607	83	209865	20.908	ug/l #	88
40) Benzene	8.613	78	519408	20.939	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	96948	21.240	ug/l #	83
42) 1,2-Dichloroethane	8.678	62	176021	20.370	ug/l	97
43) Isopropyl Acetate	8.695	43	276079	21.575	ug/l #	90
44) Trichloroethene	9.354	130	125177	21.283	ug/l	98
45) 1,2-Dichloropropane	9.624	63	136362	21.273	ug/l	99
46) Dibromomethane	9.713	93	87257	21.432	ug/l	99
47) Bromodichloromethane	9.889	83	176163	21.047	ug/l	90
48) Methyl methacrylate	9.683	41	133731	21.507	ug/l #	80
49) 1,4-Dioxane	9.695	88	48356	424.302	ug/l #	80
51) 4-Methyl-2-Pentanone	10.448	43	887370	109.942	ug/l	91
52) Toluene	10.630	92	320744	21.716	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	180625	22.263	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	203932	21.883	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	127056	21.624	ug/l	97
56) Ethyl methacrylate	10.877	69	194331	22.198	ug/l #	80
57) 1,3-Dichloropropane	11.166	76	222850	21.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	325239	107.223	ug/l	92
59) 2-Hexanone	11.195	43	644667	110.225	ug/l	90
60) Dibromochloromethane	11.360	129	127932	22.096	ug/l	97
61) 1,2-Dibromoethane	11.471	107	123393	21.850	ug/l	98
64) Tetrachloroethene	11.107	164	119952	22.492	ug/l	95
65) Chlorobenzene	11.895	112	322439	20.820	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	117252	20.930	ug/l	98
67) Ethyl Benzene	11.966	91	598305	21.276	ug/l	99
68) m/p-Xylenes	12.071	106	456160	43.116	ug/l	94
69) o-Xylene	12.401	106	224852	21.582	ug/l	92
70) Styrene	12.413	104	363660	22.263	ug/l	95
71) Bromoform	12.583	173	82933	21.748	ug/l #	100
73) Isopropylbenzene	12.701	105	584234	21.644	ug/l	96
74) N-amyl acetate	12.495	43	226649	21.469	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.942	83	177422	20.509	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	163384m	20.920	ug/l	
77) Bromobenzene	12.983	156	126604	21.195	ug/l	85
78) n-propylbenzene	13.036	91	671673	21.820	ug/l	96
79) 2-Chlorotoluene	13.130	91	414544	20.993	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	493469	21.812	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.742	75	57375	24.229	ug/l #	89
82) 4-Chlorotoluene	13.224	91	401656	21.456	ug/l	94
83) tert-Butylbenzene	13.442	119	413813	21.405	ug/l	94
84) 1,2,4-Trimethylbenzene	13.483	105	495018	22.182	ug/l	94
85) sec-Butylbenzene	13.618	105	596394	22.095	ug/l	97
86) p-Isopropyltoluene	13.730	119	483163	22.380	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	237523	21.777	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	229481	20.721	ug/l	97
89) n-Butylbenzene	14.060	91	402392	21.574	ug/l	98
90) Hexachloroethane	14.336	117	83109	21.306	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	236726	21.427	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	35180	21.461	ug/l	84
93) 1,2,4-Trichlorobenzene	15.401	180	123889	22.415	ug/l	98
94) Hexachlorobutadiene	15.506	225	60048	20.866	ug/l	96
95) Naphthalene	15.648	128	401039	22.652	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	119751	22.043	ug/l	99

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

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