

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077319.D
 Acq On : 13 Apr 2023 11:10
 Operator : JC\MD
 Sample : VN0413WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 08:57:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	435024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	847450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	762779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	315457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	283040	47.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.200%		
35) Dibromofluoromethane	8.172	113	253530	46.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.460%		
50) Toluene-d8	10.572	98	1009561	46.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.460%		
62) 4-Bromofluorobenzene	12.854	95	329947	45.425	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	92056	16.579	ug/l	99
3) Chloromethane	2.372	50	109604	15.929	ug/l	96
4) Vinyl Chloride	2.525	62	154392	16.549	ug/l	98
5) Bromomethane	2.966	94	119168	17.620	ug/l	97
6) Chloroethane	3.131	64	104065	15.630	ug/l	98
7) Trichlorofluoromethane	3.513	101	145624	18.002	ug/l	99
8) Diethyl Ether	3.978	74	59798	17.641	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	91923	18.568	ug/l	97
10) Methyl Iodide	4.601	142	105338	17.496	ug/l	97
11) Tert butyl alcohol	5.531	59	93937	77.429	ug/l #	90
12) 1,1-Dichloroethene	4.354	96	86369	16.948	ug/l	90
13) Acrolein	4.190	56	103086	89.716	ug/l	98
14) Allyl chloride	5.031	41	117035	15.206	ug/l	97
15) Acrylonitrile	5.731	53	221729	82.669	ug/l	99
16) Acetone	4.437	43	181520	82.804	ug/l	95
17) Carbon Disulfide	4.719	76	227931	16.587	ug/l	100
18) Methyl Acetate	5.037	43	133179	15.951	ug/l	94
19) Methyl tert-butyl Ether	5.807	73	311866	17.247	ug/l	99
20) Methylene Chloride	5.290	84	102453	16.548	ug/l	94
21) trans-1,2-Dichloroethene	5.801	96	96413	17.279	ug/l	98
22) Diisopropyl ether	6.684	45	260515	16.883	ug/l	94
23) Vinyl Acetate	6.613	43	976365m	93.581	ug/l	
24) 1,1-Dichloroethane	6.578	63	169492	17.010	ug/l	98
25) 2-Butanone	7.489	43	282354	79.361	ug/l	100
26) 2,2-Dichloropropane	7.495	77	169621	18.564	ug/l	97
27) cis-1,2-Dichloroethene	7.495	96	123875	18.180	ug/l	97
28) Bromochloromethane	7.819	49	70951	17.702	ug/l	93
29) Tetrahydrofuran	7.842	42	179079	78.301	ug/l	97
30) Chloroform	7.972	83	191953	18.065	ug/l	94
31) Cyclohexane	8.266	56	153846	16.652	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	171685	17.766	ug/l	98
36) 1,1-Dichloropropene	8.378	75	140463	17.506	ug/l	100
37) Ethyl Acetate	7.572	43	116214	16.188	ug/l	99
38) Carbon Tetrachloride	8.366	117	146224	17.788	ug/l	93
39) Methylcyclohexane	9.601	83	185409	17.137	ug/l	93
40) Benzene	8.613	78	428284	17.113	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	59690	15.468	ug/l	95
42) 1,2-Dichloroethane	8.678	62	134017	17.399	ug/l	99
43) Isopropyl Acetate	8.695	43	201903	15.242	ug/l	97
44) Trichloroethene	9.354	130	105212	17.570	ug/l	94
45) 1,2-Dichloropropane	9.625	63	104720	17.618	ug/l	92
46) Dibromomethane	9.713	93	78273	17.478	ug/l	98
47) Bromodichloromethane	9.889	83	154153	17.222	ug/l	96
48) Methyl methacrylate	9.683	41	86746	15.351	ug/l	94
49) 1,4-Dioxane	9.701	88	42698	311.652	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	620428	81.028	ug/l	100
52) Toluene	10.630	92	288197	17.593	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	168374	17.323	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	182363	17.614	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	113342	17.626	ug/l	98
56) Ethyl methacrylate	10.878	69	166590	16.633	ug/l	98
57) 1,3-Dichloropropane	11.166	76	188410	17.735	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	253197	84.922	ug/l	98
59) 2-Hexanone	11.195	43	457480	80.197	ug/l	100
60) Dibromochloromethane	11.366	129	116612	17.608	ug/l	96
61) 1,2-Dibromoethane	11.472	107	110754	17.256	ug/l	95
64) Tetrachloroethene	11.107	164	80944	17.178	ug/l	93
65) Chlorobenzene	11.895	112	299100	17.810	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.966	131	112025	17.630	ug/l	99
67) Ethyl Benzene	11.966	91	543092	17.525	ug/l	99
68) m/p-Xylenes	12.077	106	419738	34.472	ug/l	99
69) o-Xylene	12.401	106	210040	17.485	ug/l	100
70) Styrene	12.413	104	333386	17.247	ug/l	98
71) Bromoform	12.583	173	76102	17.014	ug/l #	99
73) Isopropylbenzene	12.701	105	543532	17.739	ug/l	100
74) N-amyl acetate	12.495	43	175806	15.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	165464	17.208	ug/l	98
76) 1,2,3-Trichloropropane	13.001	75	121458m	16.169	ug/l	
77) Bromobenzene	12.983	156	107764	17.297	ug/l	97
78) n-propylbenzene	13.042	91	600719	17.744	ug/l	99
79) 2-Chlorotoluene	13.130	91	358544	17.588	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	436161	17.823	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	61096	18.303	ug/l	85
82) 4-Chlorotoluene	13.224	91	341085	17.746	ug/l	99
83) tert-Butylbenzene	13.442	119	399904	18.359	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	422915	17.492	ug/l	100
85) sec-Butylbenzene	13.618	105	556999	18.348	ug/l	97
86) p-Isopropyltoluene	13.736	119	433980	18.190	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	205979	17.871	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	203297	17.886	ug/l	98
89) n-Butylbenzene	14.060	91	350049	17.673	ug/l	99
90) Hexachloroethane	14.336	117	92039	17.643	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	203165	17.620	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	31078	17.054	ug/l	93
93) 1,2,4-Trichlorobenzene	15.371	180	60227	14.469	ug/l	99
94) Hexachlorobutadiene	15.471	225	40991	17.013	ug/l	98
95) Naphthalene	15.589	128	225966	14.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	58516	14.697	ug/l	99

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

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