

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042723\
 Data File : VN077493.D
 Acq On : 27 Apr 2023 16:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2023
 Supervised By : Mahesh Dadoda 04/28/2023

Quant Time: Apr 28 03:25:16 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	650696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1206959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1081481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	469500	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	465851	54.865	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.740%	
35) Dibromofluoromethane	8.172	113	398713	54.962	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.920%	
50) Toluene-d8	10.566	98	1557777	56.029	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.060%	
62) 4-Bromofluorobenzene	12.848	95	536552	58.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	342499	41.287	ug/l	95
3) Chloromethane	2.372	50	276617	42.409	ug/l	99
4) Vinyl Chloride	2.525	62	384951	44.303	ug/l	96
5) Bromomethane	2.960	94	289300	38.436	ug/l	100
6) Chloroethane	3.131	64	249091	37.733	ug/l	96
7) Trichlorofluoromethane	3.513	101	654636	51.259	ug/l	99
8) Diethyl Ether	3.966	74	214300	46.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.378	101	341959	46.040	ug/l	100
10) Methyl Iodide	4.596	142	394670	43.252	ug/l	99
11) Tert butyl alcohol	5.531	59	291189	213.626	ug/l	100
12) 1,1-Dichloroethene	4.354	96	319708	44.028	ug/l	98
13) Acrolein	4.190	56	271872	200.499	ug/l	98
14) Allyl chloride	5.037	41	356367	44.141	ug/l	89
15) Acrylonitrile	5.731	53	736023	238.024	ug/l	100
16) Acetone	4.437	43	598875	221.701	ug/l	95
17) Carbon Disulfide	4.725	76	770972	41.783	ug/l	98
18) Methyl Acetate	5.025	43	488037	46.785	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	1190002	49.277	ug/l	98
20) Methylene Chloride	5.290	84	379164	44.261	ug/l	97
21) trans-1,2-Dichloroethene	5.790	96	366009	46.613	ug/l	96
22) Diisopropyl ether	6.678	45	893025	48.196	ug/l	97
23) Vinyl Acetate	6.613	43	2762315	238.714	ug/l	99
24) 1,1-Dichloroethane	6.572	63	627918	47.875	ug/l	100
25) 2-Butanone	7.484	43	899199	234.697	ug/l	95
26) 2,2-Dichloropropane	7.495	77	622063	48.914	ug/l	99
27) cis-1,2-Dichloroethene	7.490	96	440646	47.384	ug/l	100
28) Bromochloromethane	7.819	49	263011	52.512	ug/l	98
29) Tetrahydrofuran	7.842	42	554067	230.811	ug/l	98
30) Chloroform	7.966	83	736189	49.806	ug/l	97
31) Cyclohexane	8.260	56	522458	43.436	ug/l	95
32) 1,1,1-Trichloroethane	8.172	97	672638	49.497	ug/l	98
36) 1,1-Dichloropropene	8.372	75	518232	49.447	ug/l	100
37) Ethyl Acetate	7.566	43	372152	46.730	ug/l	98
38) Carbon Tetrachloride	8.366	117	584582	50.555	ug/l	98
39) Methylcyclohexane	9.601	83	689089	49.904	ug/l	99
40) Benzene	8.607	78	1560259	48.869	ug/l	98

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41) Methacrylonitrile	7.784	41	207496	50.024	ug/l	97
42) 1,2-Dichloroethane	8.672	62	539044	49.156	ug/l	99
43) Isopropyl Acetate	8.689	43	660417	47.934	ug/l	98
44) Trichloroethene	9.354	130	408906	50.021	ug/l	99
45) 1,2-Dichloropropane	9.619	63	370152	49.493	ug/l	91
46) Dibromomethane	9.713	93	291627	48.056	ug/l	98
47) Bromodichloromethane	9.889	83	584180	49.767	ug/l	98
48) Methyl methacrylate	9.684	41	294796	47.006	ug/l	98
49) 1,4-Dioxane	9.695	88	151211	961.237	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	1927513	238.519	ug/l	99
52) Toluene	10.631	92	1070284	51.171	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	632585	53.220	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	667145	51.565	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	416669	49.540	ug/l	97
56) Ethyl methacrylate	10.878	69	601906	51.072	ug/l	97
57) 1,3-Dichloropropane	11.166	76	681102	50.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1100074	275.966	ug/l	99
59) 2-Hexanone	11.195	43	1376613	234.352	ug/l	98
60) Dibromochloromethane	11.360	129	454865	52.110	ug/l	99
61) 1,2-Dibromoethane	11.472	107	428516	49.903	ug/l	99
64) Tetrachloroethene	11.107	164	322642	49.838	ug/l	96
65) Chlorobenzene	11.895	112	1136286	49.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	415728	49.930	ug/l	98
67) Ethyl Benzene	11.966	91	2064841	51.254	ug/l	99
68) m/p-Xylenes	12.072	106	1600366	102.211	ug/l	100
69) o-Xylene	12.401	106	784240	50.922	ug/l	99
70) Styrene	12.413	104	1263879	52.476	ug/l	99
71) Bromoform	12.577	173	284324	52.196	ug/l #	100
73) Isopropylbenzene	12.695	105	2093284	48.047	ug/l	100
74) N-amyl acetate	12.495	43	558354	43.288	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	596121	43.547	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	496691m	45.494	ug/l	
77) Bromobenzene	12.983	156	418454	44.070	ug/l	97
78) n-propylbenzene	13.036	91	2370864	49.216	ug/l	100
79) 2-Chlorotoluene	13.124	91	1412427	47.555	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1714012	52.976	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	184700	47.795	ug/l	98
82) 4-Chlorotoluene	13.224	91	1358521	48.949	ug/l	100
83) tert-Butylbenzene	13.442	119	1469535	46.770	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	1695840	56.123	ug/l	99
85) sec-Butylbenzene	13.619	105	2139620	49.612	ug/l	100
86) p-Isopropyltoluene	13.730	119	1731322	52.176	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	809794	47.955	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	799053	47.924	ug/l	99
89) n-Butylbenzene	14.060	91	1473355	57.374	ug/l	99
90) Hexachloroethane	14.336	117	340876	46.498	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	796034	47.529	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	112461	44.426	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	277497	51.105	ug/l	97
94) Hexachlorobutadiene	15.501	225	170597	50.406	ug/l	100
95) Naphthalene	15.642	128	1027042	50.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	249325	49.642	ug/l	98

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

