

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080102.D
 Acq On : 15 Nov 2023 11:41
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 15 21:48:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	286424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143209	51.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	8.165	113	105050	51.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.640%			
50) Toluene-d8	10.571	98	363830	48.752	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.847	95	140001	56.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	106767	48.699	ug/l	95
3) Chloromethane	2.360	50	75649	26.957	ug/l	99
4) Vinyl Chloride	2.518	62	135784	47.315	ug/l	97
5) Bromomethane	2.948	94	53530	30.699	ug/l	90
6) Chloroethane	3.118	64	57319	25.277	ug/l	99
7) Trichlorofluoromethane	3.501	101	198063	55.489	ug/l	99
8) Diethyl Ether	3.965	74	63011	46.519	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	95866	46.330	ug/l	96
10) Methyl Iodide	4.589	142	111044	46.994	ug/l	89
11) Tert butyl alcohol	5.507	59	75776	214.065	ug/l #	72
12) 1,1-Dichloroethene	4.342	96	84684	43.225	ug/l	84
13) Acrolein	4.177	56	95538	389.436	ug/l	99
14) Allyl chloride	5.018	41	114214	38.062	ug/l	92
15) Acrylonitrile	5.712	53	232154	210.447	ug/l	98
16) Acetone	4.418	43	209677	215.263	ug/l	92
17) Carbon Disulfide	4.712	76	194289	34.380	ug/l	100
18) Methyl Acetate	5.018	43	174360	37.415	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	368326	54.606	ug/l	98
20) Methylene Chloride	5.277	84	105830	43.059	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	92586	42.373	ug/l #	76
22) Diisopropyl ether	6.671	45	298310	42.898	ug/l	94
23) Vinyl Acetate	6.601	43	790568	206.105	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	196587	46.512	ug/l	99
25) 2-Butanone	7.477	43	286169m	200.630	ug/l	
26) 2,2-Dichloropropane	7.495	77	196090	56.097	ug/l	95
27) cis-1,2-Dichloroethene	7.483	96	119108	45.571	ug/l	86
28) Bromochloromethane	7.812	49	96146	46.678	ug/l	92
29) Tetrahydrofuran	7.836	42	165016	177.818	ug/l	90
30) Chloroform	7.965	83	230425	50.190	ug/l	99
31) Cyclohexane	8.259	56	130109	35.507	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	210794	56.350	ug/l	95
36) 1,1-Dichloropropene	8.371	75	148743	51.388	ug/l	94
37) Ethyl Acetate	7.559	43	113649	42.812	ug/l #	95
38) Carbon Tetrachloride	8.365	117	191250	65.561	ug/l	98
39) Methylcyclohexane	9.600	83	131697	48.347	ug/l #	87
40) Benzene	8.606	78	425923	49.129	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	65060	46.153	ug/l	92
42) 1,2-Dichloroethane	8.671	62	189207	62.480	ug/l	95
43) Isopropyl Acetate	8.689	43	200591	43.088	ug/l	96
44) Trichloroethene	9.353	130	104802	48.716	ug/l	95
45) 1,2-Dichloropropane	9.618	63	106611	48.120	ug/l	95
46) Dibromomethane	9.712	93	79676	52.668	ug/l	93
47) Bromodichloromethane	9.889	83	185034	57.352	ug/l	98
48) Methyl methacrylate	9.683	41	93559	45.882	ug/l	91
49) 1,4-Dioxane	9.694	88	34138	947.468	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	575077	219.418	ug/l	96
52) Toluene	10.630	92	276117	53.723	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	188826	59.702	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	192709	55.900	ug/l #	92
55) 1,1,2-Trichloroethane	11.018	97	111573	53.972	ug/l	98
56) Ethyl methacrylate	10.877	69	162731	55.188	ug/l	91
57) 1,3-Dichloropropane	11.165	76	196081	53.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	391788	262.152	ug/l	97
59) 2-Hexanone	11.194	43	418635	208.795	ug/l	96
60) Dibromochloromethane	11.359	129	135905	61.418	ug/l	98
61) 1,2-Dibromoethane	11.471	107	110000	53.016	ug/l	97
64) Tetrachloroethene	11.100	164	95982	57.875	ug/l	93
65) Chlorobenzene	11.894	112	291525	52.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	126287	63.103	ug/l	95
67) Ethyl Benzene	11.965	91	535793	55.364	ug/l	96
68) m/p-Xylenes	12.071	106	398391	110.509	ug/l	88
69) o-Xylene	12.400	106	193242	55.666	ug/l	85
70) Styrene	12.412	104	335447	60.127	ug/l	94
71) Bromoform	12.583	173	92939	65.400	ug/l #	100
73) Isopropylbenzene	12.694	105	510979	54.206	ug/l	99
74) N-amyl acetate	12.494	43	164025	39.864	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	145573	43.555	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	139394m	47.803	ug/l	
77) Bromobenzene	12.982	156	123867	53.671	ug/l	99
78) n-propylbenzene	13.035	91	586699	54.349	ug/l	98
79) 2-Chlorotoluene	13.124	91	382657	55.489	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	449410	61.276	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	48723	45.460	ug/l	89
82) 4-Chlorotoluene	13.224	91	384802	56.153	ug/l	95
83) tert-Butylbenzene	13.441	119	359366	59.860	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	445658	61.761	ug/l	98
85) sec-Butylbenzene	13.618	105	475423	57.159	ug/l	100
86) p-Isopropyltoluene	13.730	119	413867	61.031	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	224944	52.394	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	226230	51.913	ug/l	98
89) n-Butylbenzene	14.059	91	334079	57.198	ug/l	99
90) Hexachloroethane	14.335	117	76717	57.124	ug/l	78
91) 1,2-Dichlorobenzene	14.106	146	221812	54.729	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	33313	58.775	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	116327	60.363	ug/l	96
94) Hexachlorobutadiene	15.506	225	61589	70.499	ug/l	98
95) Naphthalene	15.641	128	330089	50.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	109606	58.022	ug/l	97

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

