

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101923\
 Data File : VN079617.D
 Acq On : 19 Oct 2023 16:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 01:30:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	245586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	429356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	189047	47.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.960%		
35) Dibromofluoromethane	8.171	113	153398	49.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.440%		
50) Toluene-d8	10.570	98	573707	51.388	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.780%		
62) 4-Bromofluorobenzene	12.853	95	189086	52.775	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	152930	43.457	ug/l	100
3) Chloromethane	2.365	50	172169	39.210	ug/l	100
4) Vinyl Chloride	2.518	62	193513	42.369	ug/l	100
5) Bromomethane	2.953	94	108959	39.850	ug/l	99
6) Chloroethane	3.118	64	136860	39.746	ug/l	95
7) Trichlorofluoromethane	3.500	101	252769	46.873	ug/l	96
8) Diethyl Ether	3.959	74	91607	47.650	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.371	101	142787	45.310	ug/l	99
10) Methyl Iodide	4.594	142	158651	58.016	ug/l	97
11) Tert butyl alcohol	5.524	59	104172	173.817	ug/l	98
12) 1,1-Dichloroethene	4.341	96	136587	47.073	ug/l	90
13) Acrolein	4.183	56	154748	259.315	ug/l	96
14) Allyl chloride	5.030	41	207188	44.247	ug/l	90
15) Acrylonitrile	5.718	53	384900	221.522	ug/l	99
16) Acetone	4.430	43	351413	222.499	ug/l	97
17) Carbon Disulfide	4.712	76	365952	40.433	ug/l	99
18) Methyl Acetate	5.024	43	317285	41.044	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	462228	49.028	ug/l	93
20) Methylene Chloride	5.283	84	164921	47.656	ug/l #	82
21) trans-1,2-Dichloroethene	5.788	96	151125	44.593	ug/l	85
22) Diisopropyl ether	6.671	45	522342	49.747	ug/l #	91
23) Vinyl Acetate	6.606	43	1422796	240.900	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	302060	47.005	ug/l	99
25) 2-Butanone	7.482	43	503859	214.943	ug/l #	81
26) 2,2-Dichloropropane	7.488	77	239513	48.772	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	179835	48.846	ug/l	87
28) Bromochloromethane	7.818	49	146813	48.017	ug/l #	75
29) Tetrahydrofuran	7.841	42	330862	218.237	ug/l #	76
30) Chloroform	7.971	83	311643	47.999	ug/l	91
31) Cyclohexane	8.259	56	239117	42.334	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	264839	48.470	ug/l	96
36) 1,1-Dichloropropene	8.371	75	222477	48.042	ug/l	96
37) Ethyl Acetate	7.559	43	210059	45.586	ug/l #	90
38) Carbon Tetrachloride	8.365	117	228121	49.206	ug/l	98
39) Methylcyclohexane	9.606	83	217591	48.906	ug/l #	90
40) Benzene	8.606	78	673995	49.007	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	110829	45.750	ug/l #	88
42) 1,2-Dichloroethane	8.676	62	241395	48.305	ug/l	97
43) Isopropyl Acetate	8.688	43	369601	45.783	ug/l #	88
44) Trichloroethene	9.353	130	158052	48.827	ug/l	95
45) 1,2-Dichloropropane	9.623	63	180202	49.730	ug/l	93
46) Dibromomethane	9.712	93	118943	50.682	ug/l	98
47) Bromodichloromethane	9.888	83	246973	51.159	ug/l	97
48) Methyl methacrylate	9.682	41	160636	46.435	ug/l #	85
49) 1,4-Dioxane	9.694	88	55026	863.555	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	1055156	231.539	ug/l	90
52) Toluene	10.629	92	417187	51.533	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	248191	51.016	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	276011	51.827	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	164340	50.565	ug/l	98
56) Ethyl methacrylate	10.876	69	236148	52.877	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	286614	51.071	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	442156	258.520	ug/l	89
59) 2-Hexanone	11.200	43	755109	229.623	ug/l	88
60) Dibromochloromethane	11.359	129	172983	52.958	ug/l	99
61) 1,2-Dibromoethane	11.470	107	157685	48.889	ug/l	98
64) Tetrachloroethene	11.106	164	126089	46.472	ug/l	96
65) Chlorobenzene	11.894	112	423296	48.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	163510	50.842	ug/l	98
67) Ethyl Benzene	11.964	91	789561	51.718	ug/l	97
68) m/p-Xylenes	12.070	106	592056	106.732	ug/l	96
69) o-Xylene	12.400	106	285527	52.340	ug/l	96
70) Styrene	12.412	104	471259	54.690	ug/l	98
71) Bromoform	12.582	173	115579	49.104	ug/l #	98
73) Isopropylbenzene	12.700	105	728825	44.503	ug/l	99
74) N-amyl acetate	12.500	43	279972	41.700	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	234929	44.305	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	201820m	39.763	ug/l	
77) Bromobenzene	12.982	156	163076	40.610	ug/l	94
78) n-propylbenzene	13.041	91	861541	46.497	ug/l	97
79) 2-Chlorotoluene	13.129	91	517864	43.677	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	598885	46.375	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	67382	38.520	ug/l #	80
82) 4-Chlorotoluene	13.223	91	499707	44.290	ug/l	99
83) tert-Butylbenzene	13.441	119	489067	46.223	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	599229	48.622	ug/l	100
85) sec-Butylbenzene	13.617	105	694753	47.076	ug/l	100
86) p-Isopropyltoluene	13.729	119	561460	49.592	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	295230	46.354	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	287381	43.699	ug/l	99
89) n-Butylbenzene	14.058	91	466411	51.589	ug/l	98
90) Hexachloroethane	14.335	117	109810	47.727	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	284455	45.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	34378	36.302	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	89105	46.309	ug/l	97
94) Hexachlorobutadiene	15.505	225	62608	41.778	ug/l	97
95) Naphthalene	15.647	128	217502	37.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	92535	40.300	ug/l	97

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

