

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012324\
 Data File : VN080752.D
 Acq On : 23 Jan 2024 09:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2024
 Supervised By : Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 01:53:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	149279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260368	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100587	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	128939	49.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.380%
35) Dibromofluoromethane	8.165	113	94630	54.293	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.580%
50) Toluene-d8	10.565	98	379937	57.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	114.340%#
62) 4-Bromofluorobenzene	12.847	95	130330	51.138	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	103244	42.571	ug/l	99
3) Chloromethane	2.359	50	154717	56.430	ug/l	96
4) Vinyl Chloride	2.518	62	122436	55.643	ug/l	96
5) Bromomethane	2.953	94	46268	55.322	ug/l	89
6) Chloroethane	3.124	64	68525	58.131	ug/l	96
7) Trichlorofluoromethane	3.500	101	156750	43.137	ug/l	99
8) Diethyl Ether	3.959	74	77856	49.027	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.371	101	93914	47.419	ug/l	92
10) Methyl Iodide	4.583	142	75742	45.735	ug/l	97
11) Tert butyl alcohol	5.506	59	86288	194.630	ug/l	# 85
12) 1,1-Dichloroethene	4.336	96	97092	43.564	ug/l	# 72
13) Acrolein	4.183	56	90316	243.811	ug/l	96
14) Allyl chloride	5.018	41	204583	46.306	ug/l	# 90
15) Acrylonitrile	5.712	53	289721	250.251	ug/l	97
16) Acetone	4.418	43	175819	204.286	ug/l	93
17) Carbon Disulfide	4.706	76	291049	42.696	ug/l	98
18) Methyl Acetate	5.024	43	130237	50.817	ug/l	# 79
19) Methyl tert-butyl Ether	5.794	73	361585	47.082	ug/l	# 90
20) Methylene Chloride	5.271	84	116293	46.286	ug/l	# 77
21) trans-1,2-Dichloroethene	5.783	96	110209	48.751	ug/l	# 69
22) Diisopropyl ether	6.671	45	466837	56.035	ug/l	# 85
23) Vinyl Acetate	6.600	43	1741141	256.774	ug/l	# 84
24) 1,1-Dichloroethane	6.565	63	235384	51.614	ug/l	98
25) 2-Butanone	7.477	43	351976	226.249	ug/l	# 78
26) 2,2-Dichloropropane	7.494	77	190392	47.736	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	130396	52.324	ug/l	78
28) Bromochloromethane	7.812	49	118846	55.743	ug/l	# 59
29) Tetrahydrofuran	7.835	42	247658	236.185	ug/l	# 70
30) Chloroform	7.965	83	215034	50.296	ug/l	89
31) Cyclohexane	8.259	56	193245	47.714	ug/l	# 81
32) 1,1,1-Trichloroethane	8.171	97	176027	46.253	ug/l	91
36) 1,1-Dichloropropene	8.377	75	166161	46.539	ug/l	94
37) Ethyl Acetate	7.559	43	161332	46.599	ug/l	# 92
38) Carbon Tetrachloride	8.365	117	139425	43.493	ug/l	99
39) Methylcyclohexane	9.600	83	160064	46.848	ug/l	# 84
40) Benzene	8.606	78	510008	50.813	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	99061	49.328	ug/l #	79
42) 1,2-Dichloroethane	8.671	62	161852	42.122	ug/l	99
43) Isopropyl Acetate	8.688	43	293710	46.152	ug/l #	88
44) Trichloroethene	9.353	130	105547	46.451	ug/l	94
45) 1,2-Dichloropropane	9.624	63	141559	53.198	ug/l	95
46) Dibromomethane	9.706	93	77643	46.119	ug/l	92
47) Bromodichloromethane	9.888	83	169827	45.448	ug/l #	96
48) Methyl methacrylate	9.682	41	139720	46.372	ug/l #	75
49) 1,4-Dioxane	9.694	88	30860	822.014	ug/l #	64
51) 4-Methyl-2-Pentanone	10.441	43	813585	236.973	ug/l	87
52) Toluene	10.629	92	297293	51.698	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	197566	47.635	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	221064	50.261	ug/l #	84
55) 1,1,2-Trichloroethane	11.018	97	110456	49.902	ug/l	90
56) Ethyl methacrylate	10.876	69	188503	47.548	ug/l #	78
57) 1,3-Dichloropropane	11.165	76	203307	50.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	482673	254.186	ug/l #	82
59) 2-Hexanone	11.194	43	617698	243.719	ug/l	86
60) Dibromochloromethane	11.359	129	109575	48.168	ug/l	98
61) 1,2-Dibromoethane	11.471	107	106238	48.826	ug/l	96
64) Tetrachloroethene	11.106	164	86678	48.476	ug/l	93
65) Chlorobenzene	11.894	112	284040	49.932	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	95073	47.073	ug/l	96
67) Ethyl Benzene	11.965	91	543459	50.032	ug/l	96
68) m/p-Xylenes	12.070	106	384660	100.727	ug/l	89
69) o-Xylene	12.400	106	191221	51.212	ug/l	91
70) Styrene	12.412	104	325363	51.315	ug/l	96
71) Bromoform	12.576	173	64927	46.727	ug/l #	97
73) Isopropylbenzene	12.694	105	475889	49.753	ug/l	97
74) N-amyl acetate	12.494	43	269166	46.891	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.935	83	144065	45.915	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	133963m	43.190	ug/l	
77) Bromobenzene	12.982	156	98428	48.448	ug/l	79
78) n-propylbenzene	13.035	91	576682	49.148	ug/l	94
79) 2-Chlorotoluene	13.123	91	344375	45.796	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	374872	47.027	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	62999	47.882	ug/l #	85
82) 4-Chlorotoluene	13.223	91	345761	46.903	ug/l	94
83) tert-Butylbenzene	13.441	119	291240	45.701	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	383459	48.920	ug/l	97
85) sec-Butylbenzene	13.617	105	450778	49.784	ug/l	95
86) p-Isopropyltoluene	13.729	119	339932	47.535	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	171946	47.385	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	173909	47.044	ug/l	97
89) n-Butylbenzene	14.059	91	344621	49.996	ug/l	98
90) Hexachloroethane	14.335	117	61189	46.139	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	173427	50.719	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27272	37.886	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	85099	47.786	ug/l	99
94) Hexachlorobutadiene	15.506	225	36088	42.226	ug/l	98
95) Naphthalene	15.641	128	295908	42.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	77709	45.081	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

