

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081891.D
 Acq On : 26 Apr 2024 20:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Mahesh Dadoda 04/29/2024

Quant Time: Apr 26 23:07:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	238882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	450153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	165151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171212	42.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.940%		
35) Dibromofluoromethane	8.165	113	124050	45.770	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.540%		
50) Toluene-d8	10.571	98	513011	48.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.380%		
62) 4-Bromofluorobenzene	12.847	95	187135	44.473	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	88.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	140008	41.752	ug/l	97
3) Chloromethane	2.359	50	156748	44.807	ug/l	99
4) Vinyl Chloride	2.518	62	140456	44.354	ug/l	100
5) Bromomethane	2.954	94	61357	45.034	ug/l	96
6) Chloroethane	3.124	64	77326	48.314	ug/l	93
7) Trichlorofluoromethane	3.501	101	206387	42.132	ug/l	96
8) Diethyl Ether	3.959	74	95538	45.912	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	143005	50.283	ug/l	96
10) Methyl Iodide	4.589	142	123960	49.764	ug/l	98
11) Tert butyl alcohol	5.512	59	144692	197.417	ug/l	99
12) 1,1-Dichloroethene	4.342	96	134645	46.537	ug/l	90
13) Acrolein	4.177	56	121935	212.154	ug/l	96
14) Allyl chloride	5.024	41	232923	38.059	ug/l	91
15) Acrylonitrile	5.718	53	371580	211.133	ug/l	99
16) Acetone	4.424	43	266271	222.746	ug/l	96
17) Carbon Disulfide	4.712	76	362460	41.680	ug/l	98
18) Methyl Acetate	5.024	43	168590	41.284	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	483014	44.242	ug/l	96
20) Methylene Chloride	5.283	84	154379	44.681	ug/l #	87
21) trans-1,2-Dichloroethene	5.789	96	134756	42.717	ug/l #	82
22) Diisopropyl ether	6.671	45	521515	44.037	ug/l	96
23) Vinyl Acetate	6.600	43	2103766	218.634	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	276759	44.900	ug/l	99
25) 2-Butanone	7.477	43	469588	205.214	ug/l #	88
26) 2,2-Dichloropropane	7.494	77	222926	39.315	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	166725	45.228	ug/l	88
28) Bromochloromethane	7.812	49	114710	39.156	ug/l	83
29) Tetrahydrofuran	7.836	42	328831	200.390	ug/l	91
30) Chloroform	7.965	83	267203	43.733	ug/l	98
31) Cyclohexane	8.259	56	255719	42.104	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	225960	41.471	ug/l	95
36) 1,1-Dichloropropene	8.371	75	194587	44.131	ug/l	97
37) Ethyl Acetate	7.559	43	208944	43.827	ug/l	99
38) Carbon Tetrachloride	8.365	117	186866	43.361	ug/l	98
39) Methylcyclohexane	9.600	83	236647	44.191	ug/l	92
40) Benzene	8.606	78	616026	46.540	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	121012	39.781	ug/l	91
42) 1,2-Dichloroethane	8.671	62	206472	42.007	ug/l	98
43) Isopropyl Acetate	8.688	43	380686	42.468	ug/l	94
44) Trichloroethene	9.353	130	161275	52.846	ug/l	96
45) 1,2-Dichloropropane	9.624	63	155936	45.014	ug/l	94
46) Dibromomethane	9.706	93	100258	41.873	ug/l	93
47) Bromodichloromethane	9.888	83	211536	41.892	ug/l #	97
48) Methyl methacrylate	9.683	41	181786	42.480	ug/l	87
49) 1,4-Dioxane	9.694	88	58566	900.435	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1069928	212.023	ug/l	95
52) Toluene	10.630	92	370399	46.727	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	238770	43.457	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	251026	44.330	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	137414	44.079	ug/l	96
56) Ethyl methacrylate	10.877	69	257253	43.336	ug/l	88
57) 1,3-Dichloropropane	11.165	76	250795	45.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	621530	229.833	ug/l	92
59) 2-Hexanone	11.194	43	799380	212.858	ug/l	96
60) Dibromochloromethane	11.359	129	149579	45.301	ug/l	97
61) 1,2-Dibromoethane	11.471	107	137761	46.209	ug/l	99
64) Tetrachloroethene	11.106	164	125132	44.362	ug/l	92
65) Chlorobenzene	11.894	112	392113	46.233	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	125689	45.600	ug/l	96
67) Ethyl Benzene	11.965	91	719811	45.637	ug/l	97
68) m/p-Xylenes	12.071	106	529145	94.053	ug/l	94
69) o-Xylene	12.400	106	260249	47.381	ug/l	93
70) Styrene	12.412	104	439500	46.254	ug/l	95
71) Bromoform	12.582	173	92651	42.756	ug/l #	98
73) Isopropylbenzene	12.694	105	661874	45.076	ug/l	100
74) N-amyl acetate	12.494	43	351556	43.004	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	187869	42.606	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	172987m	40.399	ug/l	
77) Bromobenzene	12.982	156	138759	45.159	ug/l	72
78) n-propylbenzene	13.035	91	790787	44.337	ug/l	98
79) 2-Chlorotoluene	13.129	91	484720	42.715	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	545448	43.898	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	88303	42.257	ug/l #	93
82) 4-Chlorotoluene	13.223	91	476303	43.234	ug/l	94
83) tert-Butylbenzene	13.441	119	462479	44.695	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	545937	43.998	ug/l	98
85) sec-Butylbenzene	13.618	105	666287	45.714	ug/l	98
86) p-Isopropyltoluene	13.729	119	524486	44.816	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	258363	45.064	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	258402	45.769	ug/l	95
89) n-Butylbenzene	14.059	91	491105	45.083	ug/l	96
90) Hexachloroethane	14.335	117	104304	45.306	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	251549	45.768	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39883	37.152	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	134904	43.874	ug/l	97
94) Hexachlorobutadiene	15.500	225	50030	44.144	ug/l	98
95) Naphthalene	15.641	128	518120	44.593	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	138942	47.064	ug/l	98

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

