

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081866.D
 Acq On : 25 Apr 2024 21:28
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2024
 Supervised By : Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 05:42:46 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	226982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	417025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365254	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	188823	49.290	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.580%		
35) Dibromofluoromethane	8.171	113	130786	52.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.180%		
50) Toluene-d8	10.565	98	524430	53.181	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.360%		
62) 4-Bromofluorobenzene	12.847	95	199709	51.231	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	102.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	149111	46.798	ug/l	99
3) Chloromethane	2.359	50	151879	45.692	ug/l	100
4) Vinyl Chloride	2.518	62	146605	48.723	ug/l	98
5) Bromomethane	2.948	94	58885	45.542	ug/l	# 79
6) Chloroethane	3.118	64	68095	44.777	ug/l	100
7) Trichlorofluoromethane	3.500	101	220545	47.383	ug/l	94
8) Diethyl Ether	3.959	74	95279	48.188	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	133725	49.485	ug/l	95
10) Methyl Iodide	4.589	142	127112	53.705	ug/l	93
11) Tert butyl alcohol	5.518	59	167892	241.081	ug/l	# 90
12) 1,1-Dichloroethene	4.342	96	138458	50.364	ug/l	89
13) Acrolein	4.177	56	137535	253.252	ug/l	100
14) Allyl chloride	5.024	41	259614	44.644	ug/l	# 91
15) Acrylonitrile	5.718	53	410804	245.658	ug/l	98
16) Acetone	4.424	43	299154	264.393	ug/l	96
17) Carbon Disulfide	4.712	76	364728	44.140	ug/l	97
18) Methyl Acetate	5.030	43	189652	48.876	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	504018	48.586	ug/l	98
20) Methylene Chloride	5.283	84	148416	45.207	ug/l	# 79
21) trans-1,2-Dichloroethene	5.783	96	138857	46.325	ug/l	88
22) Diisopropyl ether	6.671	45	549105	48.798	ug/l	94
23) Vinyl Acetate	6.606	43	2271839	248.479	ug/l	# 92
24) 1,1-Dichloroethane	6.565	63	280269	47.853	ug/l	97
25) 2-Butanone	7.483	43	558670	256.943	ug/l	# 88
26) 2,2-Dichloropropane	7.488	77	235373	43.687	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	169180	48.301	ug/l	84
28) Bromochloromethane	7.812	49	129001	46.342	ug/l	# 77
29) Tetrahydrofuran	7.841	42	380755	244.197	ug/l	88
30) Chloroform	7.971	83	273188	47.057	ug/l	97
31) Cyclohexane	8.259	56	271741	47.087	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	239620	46.283	ug/l	94
36) 1,1-Dichloropropene	8.371	75	201963	49.442	ug/l	95
37) Ethyl Acetate	7.559	43	234026	52.988	ug/l	97
38) Carbon Tetrachloride	8.365	117	195934	49.077	ug/l	99
39) Methylcyclohexane	9.606	83	242494	48.881	ug/l	92
40) Benzene	8.606	78	623307	50.831	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	134419	47.698	ug/l	89
42) 1,2-Dichloroethane	8.671	62	222050	48.765	ug/l	96
43) Isopropyl Acetate	8.688	43	435577	52.451	ug/l #	91
44) Trichloroethene	9.353	130	139802	49.449	ug/l	95
45) 1,2-Dichloropropane	9.624	63	163556	50.965	ug/l	97
46) Dibromomethane	9.712	93	103291	46.567	ug/l	94
47) Bromodichloromethane	9.888	83	224962	48.090	ug/l #	99
48) Methyl methacrylate	9.682	41	197797	49.893	ug/l #	86
49) 1,4-Dioxane	9.694	88	64923	1077.466	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1227336	262.536	ug/l	93
52) Toluene	10.629	92	375823	51.178	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	250084	49.132	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	263551	50.239	ug/l #	85
55) 1,1,2-Trichloroethane	11.018	97	139403	48.269	ug/l	98
56) Ethyl methacrylate	10.876	69	276789	50.331	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	258709	50.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	652607	260.495	ug/l	91
59) 2-Hexanone	11.194	43	925772	266.096	ug/l	93
60) Dibromochloromethane	11.359	129	158109	51.688	ug/l	98
61) 1,2-Dibromoethane	11.471	107	141843	51.358	ug/l	98
64) Tetrachloroethene	11.106	164	132571	49.974	ug/l	94
65) Chlorobenzene	11.894	112	399644	50.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	133219	51.390	ug/l	98
67) Ethyl Benzene	11.965	91	730958	49.276	ug/l	99
68) m/p-Xylenes	12.076	106	534005	100.923	ug/l	90
69) o-Xylene	12.400	106	260915	50.508	ug/l	89
70) Styrene	12.412	104	450677	50.432	ug/l	94
71) Bromoform	12.582	173	99963	49.050	ug/l #	100
73) Isopropylbenzene	12.700	105	683872	48.820	ug/l	99
74) N-amyl acetate	12.494	43	389827	49.984	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	191426	45.506	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	196224m	48.035	ug/l	
77) Bromobenzene	12.982	156	145448	49.618	ug/l	72
78) n-propylbenzene	13.035	91	815807	47.945	ug/l	96
79) 2-Chlorotoluene	13.129	91	505499	46.694	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	562717	47.472	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	91592	45.944	ug/l	92
82) 4-Chlorotoluene	13.223	91	491599	46.774	ug/l	92
83) tert-Butylbenzene	13.441	119	472432	47.858	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	562092	47.484	ug/l	98
85) sec-Butylbenzene	13.617	105	676645	48.662	ug/l	98
86) p-Isopropyltoluene	13.729	119	537396	48.133	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	255111	46.642	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	255911	47.513	ug/l	94
89) n-Butylbenzene	14.059	91	503310	48.431	ug/l	97
90) Hexachloroethane	14.335	117	107152	48.788	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	248042	47.306	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	47186	46.074	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	142701	48.647	ug/l	99
94) Hexachlorobutadiene	15.500	225	52518	48.573	ug/l	99
95) Naphthalene	15.641	128	544803	49.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	144782	51.407	ug/l	100

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

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