

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081571.D
 Acq On : 25 Mar 2024 19:15
 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 03/26/2024
 Supervised By : Mahesh Dadoda 03/26/2024

Quant Time: Mar 26 01:23:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	369253	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	643916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	593687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	289159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	215065	45.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.340%		
35) Dibromofluoromethane	8.165	113	193278	47.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.120%		
50) Toluene-d8	10.571	98	679325	46.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.480%		
62) 4-Bromofluorobenzene	12.847	95	246400	47.602	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	238579	47.984	ug/l	98
3) Chloromethane	2.365	50	237035	47.883	ug/l	97
4) Vinyl Chloride	2.518	62	282310	50.815	ug/l	95
5) Bromomethane	2.954	94	191509	48.742	ug/l	96
6) Chloroethane	3.118	64	200030	52.440	ug/l	93
7) Trichlorofluoromethane	3.501	101	432054	52.182	ug/l	98
8) Diethyl Ether	3.959	74	148648	54.248	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	246181	52.328	ug/l	90
10) Methyl Iodide	4.589	142	271387	57.926	ug/l	99
11) Tert butyl alcohol	5.518	59	223155	271.934	ug/l	99
12) 1,1-Dichloroethene	4.342	96	229047	52.561	ug/l	88
13) Acrolein	4.177	56	233761	317.454	ug/l	96
14) Allyl chloride	5.030	41	287040	52.566	ug/l #	83
15) Acrylonitrile	5.712	53	569848	259.568	ug/l	97
16) Acetone	4.424	43	415890	273.284	ug/l	95
17) Carbon Disulfide	4.712	76	592357	47.368	ug/l	96
18) Methyl Acetate	5.024	43	259096	55.224	ug/l #	87
19) Methyl tert-butyl Ether	5.795	73	777813	57.032	ug/l	93
20) Methylene Chloride	5.277	84	273504	54.865	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	255587	52.602	ug/l	89
22) Diisopropyl ether	6.671	45	735460	57.966	ug/l #	92
23) Vinyl Acetate	6.600	43	2764490	273.734	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	467789	55.047	ug/l	96
25) 2-Butanone	7.483	43	685477	262.611	ug/l #	88
26) 2,2-Dichloropropane	7.494	77	405752	55.050	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	307221	55.883	ug/l	84
28) Bromochloromethane	7.818	49	172140	49.732	ug/l #	49
29) Tetrahydrofuran	7.836	42	451277	256.636	ug/l #	78
30) Chloroform	7.965	83	505518	55.567	ug/l	99
31) Cyclohexane	8.259	56	376654	49.154	ug/l #	76
32) 1,1,1-Trichloroethane	8.171	97	457729	55.457	ug/l	93
36) 1,1-Dichloropropene	8.371	75	364903	53.358	ug/l	95
37) Ethyl Acetate	7.559	43	293003	50.034	ug/l	98
38) Carbon Tetrachloride	8.365	117	399039	53.264	ug/l	95
39) Methylcyclohexane	9.600	83	413171	54.100	ug/l #	85
40) Benzene	8.606	78	1106734	55.354	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	153244	49.482	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	368810	52.415	ug/l	96
43) Isopropyl Acetate	8.688	43	507048	52.235	ug/l #	91
44) Trichloroethene	9.353	130	298742	53.126	ug/l	94
45) 1,2-Dichloropropane	9.624	63	274487	56.647	ug/l	97
46) Dibromomethane	9.712	93	200239	54.415	ug/l #	88
47) Bromodichloromethane	9.888	83	410597	57.070	ug/l #	95
48) Methyl methacrylate	9.683	41	235549	52.610	ug/l #	83
49) 1,4-Dioxane	9.700	88	103152	958.692	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1537959	259.650	ug/l	91
52) Toluene	10.630	92	712025	56.030	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	430356	55.395	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	460053	55.232	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	281644	55.071	ug/l	93
56) Ethyl methacrylate	10.877	69	396773	51.895	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	473388	56.464	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	973001	302.363	ug/l #	86
59) 2-Hexanone	11.194	43	1124698	256.823	ug/l	91
60) Dibromochloromethane	11.359	129	315756	56.140	ug/l	98
61) 1,2-Dibromoethane	11.471	107	288686	55.367	ug/l	99
64) Tetrachloroethene	11.106	164	304331	53.627	ug/l	90
65) Chlorobenzene	11.894	112	763895	54.429	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	289979	55.747	ug/l	97
67) Ethyl Benzene	11.965	91	1357118	55.667	ug/l	98
68) m/p-Xylenes	12.071	106	1060194	116.002	ug/l	94
69) o-Xylene	12.400	106	515190	57.419	ug/l	93
70) Styrene	12.412	104	859623	59.404	ug/l	95
71) Bromoform	12.576	173	212291	54.311	ug/l #	97
73) Isopropylbenzene	12.694	105	1342242	54.456	ug/l	96
74) N-amyl acetate	12.494	43	458436	51.395	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	352579	48.652	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	337039m	48.727	ug/l	
77) Bromobenzene	12.982	156	318205	52.261	ug/l	70
78) n-propylbenzene	13.035	91	1598972	54.932	ug/l	95
79) 2-Chlorotoluene	13.124	91	940588	53.990	ug/l	92
80) 1,3,5-Trimethylbenzene	13.171	105	1141288	56.060	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	128755	50.303	ug/l	98
82) 4-Chlorotoluene	13.224	91	924240	53.809	ug/l	93
83) tert-Butylbenzene	13.441	119	963417	54.878	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	1152939	56.347	ug/l	95
85) sec-Butylbenzene	13.618	105	1396262	55.636	ug/l	94
86) p-Isopropyltoluene	13.729	119	1170054	57.034	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	604365	54.024	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	587042	50.679	ug/l	96
89) n-Butylbenzene	14.059	91	1000646	55.007	ug/l	96
90) Hexachloroethane	14.335	117	208899	53.768	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	572581	53.178	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	71502	46.361	ug/l	68
93) 1,2,4-Trichlorobenzene	15.394	180	315419	50.663	ug/l	99
94) Hexachlorobutadiene	15.506	225	127929	46.833	ug/l	97
95) Naphthalene	15.641	128	1053427	52.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	316858	50.598	ug/l	98

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

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