

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081550.D
 Acq On : 25 Mar 2024 10:12
 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 03/26/2024
 Supervised By : Mahesh Dadoda 03/26/2024

Quant Time: Mar 26 01:14:42 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	410675	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	702529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	620319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	294789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	269816	51.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	232954	52.542	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.080%			
50) Toluene-d8	10.565	98	816737	50.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.847	95	284399	50.360	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	259359	46.902	ug/l	93
3) Chloromethane	2.359	50	259756	47.180	ug/l	97
4) Vinyl Chloride	2.518	62	292167	47.285	ug/l	91
5) Bromomethane	2.965	94	200816	45.956	ug/l	94
6) Chloroethane	3.130	64	196992	46.434	ug/l	99
7) Trichlorofluoromethane	3.500	101	472600	51.321	ug/l	94
8) Diethyl Ether	3.959	74	175881	57.712	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.377	101	275496	52.652	ug/l	89
10) Methyl Iodide	4.589	142	317216	60.879	ug/l	95
11) Tert butyl alcohol	5.518	59	205591	225.262	ug/l	100
12) 1,1-Dichloroethene	4.342	96	254501	52.511	ug/l	88
13) Acrolein	4.177	56	270240	329.977	ug/l	98
14) Allyl chloride	5.024	41	366613	60.366	ug/l #	92
15) Acrylonitrile	5.718	53	589437	241.410	ug/l	97
16) Acetone	4.424	43	343014	202.663	ug/l	97
17) Carbon Disulfide	4.712	76	661438	47.557	ug/l	98
18) Methyl Acetate	5.018	43	278261	53.326	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	899170	59.280	ug/l	96
20) Methylene Chloride	5.277	84	294830	53.178	ug/l	88
21) trans-1,2-Dichloroethene	5.788	96	284499	52.647	ug/l	92
22) Diisopropyl ether	6.671	45	853415	60.478	ug/l #	94
23) Vinyl Acetate	6.600	43	3212066	285.972	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	519518	54.968	ug/l	95
25) 2-Butanone	7.477	43	653543	225.123	ug/l #	86
26) 2,2-Dichloropropane	7.488	77	471551	57.524	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	348418	56.984	ug/l	85
28) Bromochloromethane	7.812	49	180660	46.929	ug/l #	54
29) Tetrahydrofuran	7.835	42	458530	234.460	ug/l #	78
30) Chloroform	7.965	83	567604	56.099	ug/l	99
31) Cyclohexane	8.259	56	416248	48.842	ug/l #	73
32) 1,1,1-Trichloroethane	8.165	97	503562	54.857	ug/l	90
36) 1,1-Dichloropropene	8.371	75	401765	53.846	ug/l	95
37) Ethyl Acetate	7.559	43	300097	46.970	ug/l #	96
38) Carbon Tetrachloride	8.359	117	442627	54.153	ug/l	95
39) Methylcyclohexane	9.600	83	459827	55.186	ug/l	87
40) Benzene	8.606	78	1218550	55.861	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	165971	49.121	ug/l #	90
42) 1,2-Dichloroethane	8.671	62	427435	55.679	ug/l	98
43) Isopropyl Acetate	8.688	43	543441	51.313	ug/l #	90
44) Trichloroethene	9.353	130	332719	54.231	ug/l	94
45) 1,2-Dichloropropane	9.624	63	308544	58.363	ug/l	95
46) Dibromomethane	9.712	93	224128	55.826	ug/l #	87
47) Bromodichloromethane	9.888	83	452346	57.627	ug/l #	99
48) Methyl methacrylate	9.676	41	255053	52.213	ug/l #	83
49) 1,4-Dioxane	9.700	88	89243	760.223	ug/l #	67
51) 4-Methyl-2-Pentanone	10.441	43	1537690	237.945	ug/l	91
52) Toluene	10.629	92	771969	55.679	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	496691	58.599	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	534485	58.814	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	306505	54.932	ug/l	92
56) Ethyl methacrylate	10.876	69	434521	52.070	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	518570	56.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	938754	267.382	ug/l #	84
59) 2-Hexanone	11.194	43	1100507	230.333	ug/l	90
60) Dibromochloromethane	11.359	129	343820	56.030	ug/l	98
61) 1,2-Dibromoethane	11.470	107	308549	54.239	ug/l	97
64) Tetrachloroethene	11.106	164	338090	57.019	ug/l	88
65) Chlorobenzene	11.888	112	822929	56.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	312566	57.510	ug/l	97
67) Ethyl Benzene	11.965	91	1472507	57.807	ug/l	98
68) m/p-Xylenes	12.070	106	1133494	118.698	ug/l	94
69) o-Xylene	12.400	106	550129	58.681	ug/l	93
70) Styrene	12.412	104	909850	60.175	ug/l	96
71) Bromoform	12.576	173	223670	54.765	ug/l #	98
73) Isopropylbenzene	12.694	105	1415415	56.328	ug/l	98
74) N-amyl acetate	12.494	43	470630	51.754	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	353604	47.862	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	330044m	46.805	ug/l	
77) Bromobenzene	12.982	156	330890	53.306	ug/l	70
78) n-propylbenzene	13.035	91	1675221	56.452	ug/l	96
79) 2-Chlorotoluene	13.123	91	974668	54.877	ug/l	91
80) 1,3,5-Trimethylbenzene	13.170	105	1194238	57.541	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	134485	51.538	ug/l	85
82) 4-Chlorotoluene	13.223	91	981913	56.075	ug/l	93
83) tert-Butylbenzene	13.441	119	994374	55.560	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	1189640	57.030	ug/l	95
85) sec-Butylbenzene	13.617	105	1432594	55.993	ug/l	93
86) p-Isopropyltoluene	13.729	119	1215204	58.104	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	632852	55.490	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	631119	53.444	ug/l	97
89) n-Butylbenzene	14.059	91	1075223	57.978	ug/l	97
90) Hexachloroethane	14.335	117	216206	54.586	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	614474	55.978	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	74283	47.245	ug/l	70
93) 1,2,4-Trichlorobenzene	15.394	180	376423	59.307	ug/l	98
94) Hexachlorobutadiene	15.500	225	147439	52.944	ug/l	98
95) Naphthalene	15.641	128	1194134	58.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	360858	56.524	ug/l	97

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

