

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
 Data File : VN081449.D
 Acq On : 16 Mar 2024 00:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2024
 Supervised By : Mahesh Dadoda 03/18/2024

Quant Time: Mar 16 01:35:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	262157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	502848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	455772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	226608	59.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.560%			
35) Dibromofluoromethane	8.171	113	172705	56.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.120%			
50) Toluene-d8	10.571	98	594378	51.610	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.853	95	211353	51.924	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	171591	49.376	ug/l	97
3) Chloromethane	2.365	50	182686	48.667	ug/l	99
4) Vinyl Chloride	2.518	62	193643	49.450	ug/l	94
5) Bromomethane	2.947	94	116415	44.511	ug/l	97
6) Chloroethane	3.112	64	139888	52.010	ug/l	90
7) Trichlorofluoromethane	3.495	101	285390	49.264	ug/l	95
8) Diethyl Ether	3.959	74	115564	56.621	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	149684	45.373	ug/l	93
10) Methyl Iodide	4.589	142	178542	59.141	ug/l	92
11) Tert butyl alcohol	5.518	59	211014	318.368	ug/l	100
12) 1,1-Dichloroethene	4.342	96	150413	49.233	ug/l	91
13) Acrolein	4.177	56	207875	264.865	ug/l	99
14) Allyl chloride	5.024	41	238424	52.586	ug/l	89
15) Acrylonitrile	5.724	53	502947	290.466	ug/l	98
16) Acetone	4.424	43	378521	281.849	ug/l	97
17) Carbon Disulfide	4.712	76	382394	43.854	ug/l #	95
18) Methyl Acetate	5.024	43	272986	70.996	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	598628	57.773	ug/l	96
20) Methylene Chloride	5.277	84	189990	57.377	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	169786	49.293	ug/l	96
22) Diisopropyl ether	6.677	45	616186	61.188	ug/l #	93
23) Vinyl Acetate	6.606	43	2382245	291.190	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	347375	56.351	ug/l	98
25) 2-Butanone	7.482	43	652759	290.232	ug/l	95
26) 2,2-Dichloropropane	7.494	77	246127	45.175	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	203137	52.018	ug/l	92
28) Bromochloromethane	7.812	49	153365	58.143	ug/l #	72
29) Tetrahydrofuran	7.841	42	442415	288.471	ug/l	91
30) Chloroform	7.965	83	374488	58.540	ug/l	97
31) Cyclohexane	8.259	56	240879	41.974	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	308625	54.580	ug/l	97
36) 1,1-Dichloropropene	8.371	75	237986	47.882	ug/l	97
37) Ethyl Acetate	7.559	43	263615	54.258	ug/l	99
38) Carbon Tetrachloride	8.359	117	252252	50.428	ug/l	98
39) Methylcyclohexane	9.606	83	230192	40.243	ug/l	96
40) Benzene	8.606	78	766229	51.648	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	153837	56.068	ug/l	98
42) 1,2-Dichloroethane	8.671	62	300229	57.396	ug/l	100
43) Isopropyl Acetate	8.694	43	454776	53.478	ug/l	97
44) Trichloroethene	9.359	130	181356	48.469	ug/l	97
45) 1,2-Dichloropropane	9.624	63	203088	54.493	ug/l	95
46) Dibromomethane	9.712	93	146954	55.942	ug/l	93
47) Bromodichloromethane	9.888	83	293246	57.503	ug/l	98
48) Methyl methacrylate	9.682	41	218973	58.254	ug/l	92
49) 1,4-Dioxane	9.700	88	80591	972.725	ug/l	89
51) 4-Methyl-2-Pentanone	10.447	43	1440308	291.691	ug/l	97
52) Toluene	10.629	92	455295	50.804	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	306314	55.515	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	320176	53.752	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	199181	56.046	ug/l	94
56) Ethyl methacrylate	10.876	69	298086	58.413	ug/l	95
57) 1,3-Dichloropropane	11.165	76	342412	55.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	810756	295.355	ug/l	91
59) 2-Hexanone	11.200	43	1074723	291.140	ug/l	98
60) Dibromochloromethane	11.365	129	209881	57.344	ug/l	99
61) 1,2-Dibromoethane	11.470	107	204281	55.399	ug/l	98
64) Tetrachloroethene	11.106	164	178167	49.925	ug/l	92
65) Chlorobenzene	11.894	112	485278	50.527	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	188620	53.670	ug/l	98
67) Ethyl Benzene	11.965	91	865119	50.005	ug/l	99
68) m/p-Xylenes	12.076	106	643153	98.780	ug/l	99
69) o-Xylene	12.400	106	319059	50.563	ug/l	99
70) Styrene	12.412	104	555627	55.564	ug/l	98
71) Bromoform	12.582	173	136535	55.959	ug/l #	97
73) Isopropylbenzene	12.700	105	817041	50.104	ug/l	100
74) N-amyl acetate	12.494	43	400162	58.484	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	271409	53.931	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	232981m	48.844	ug/l	
77) Bromobenzene	12.982	156	185983	48.103	ug/l	85
78) n-propylbenzene	13.041	91	978672	50.741	ug/l	98
79) 2-Chlorotoluene	13.129	91	598090	50.731	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	712147	52.831	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	91931m	53.788	ug/l	
82) 4-Chlorotoluene	13.223	91	590684	50.725	ug/l	96
83) tert-Butylbenzene	13.441	119	561560	48.592	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	721397	52.821	ug/l	99
85) sec-Butylbenzene	13.617	105	826656	49.445	ug/l	94
86) p-Isopropyltoluene	13.729	119	679708	50.696	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	353596	48.434	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	353732	48.476	ug/l	97
89) n-Butylbenzene	14.059	91	599406	48.750	ug/l	98
90) Hexachloroethane	14.335	117	122967	52.385	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	357883	51.093	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	59478	55.230	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	185156	49.453	ug/l	98
94) Hexachlorobutadiene	15.506	225	69141	44.691	ug/l	95
95) Naphthalene	15.647	128	728827	54.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	194719	51.284	ug/l	100

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

