

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080824\
 Data File : VN083144.D
 Acq On : 08 Aug 2024 10:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 13:32:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/08/2024
 Supervised By : Semsettin Yesilyurt 08/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	207234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146573	49.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.380%		
35) Dibromofluoromethane	8.165	113	109458	50.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.080%		
50) Toluene-d8	10.565	98	413491	51.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.360%		
62) 4-Bromofluorobenzene	12.847	95	162971	51.746	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	103.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	116859	49.726	ug/l	97
3) Chloromethane	2.365	50	117930	49.015	ug/l	98
4) Vinyl Chloride	2.518	62	119555	48.698	ug/l	100
5) Bromomethane	2.948	94	75106	49.303	ug/l	95
6) Chloroethane	3.118	64	72174	46.990	ug/l	92
7) Trichlorofluoromethane	3.495	101	202595	49.954	ug/l	97
8) Diethyl Ether	3.959	74	73868	48.947	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	114704	51.298	ug/l	98
10) Methyl Iodide	4.583	142	150674	51.226	ug/l	97
11) Tert butyl alcohol	5.518	59	136597	222.829	ug/l	99
12) 1,1-Dichloroethene	4.336	96	111564	48.564	ug/l	92
13) Acrolein	4.177	56	85848	214.875	ug/l	99
14) Allyl chloride	5.018	41	191870	44.198	ug/l	93
15) Acrylonitrile	5.718	53	294922	233.927	ug/l	99
16) Acetone	4.424	43	304983	264.232	ug/l	95
17) Carbon Disulfide	4.712	76	316235	47.047	ug/l	100
18) Methyl Acetate	5.024	43	156555	45.524	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	412431	49.740	ug/l	98
20) Methylene Chloride	5.277	84	122312	46.044	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	115835	48.787	ug/l	92
22) Diisopropyl ether	6.671	45	406316	49.792	ug/l	97
23) Vinyl Acetate	6.600	43	2281494	272.772	ug/l	95
24) 1,1-Dichloroethane	6.565	63	224139	50.392	ug/l	100
25) 2-Butanone	7.483	43	420015	236.992	ug/l #	90
26) 2,2-Dichloropropane	7.494	77	220440	53.367	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	143251	49.999	ug/l	92
28) Bromochloromethane	7.812	49	88988	48.956	ug/l	85
29) Tetrahydrofuran	7.835	42	272045	237.457	ug/l	89
30) Chloroform	7.971	83	233020	50.426	ug/l	99
31) Cyclohexane	8.259	56	198993	45.522	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	220823	50.485	ug/l	95
36) 1,1-Dichloropropene	8.371	75	167671	51.181	ug/l	98
37) Ethyl Acetate	7.559	43	172380	46.995	ug/l #	94
38) Carbon Tetrachloride	8.365	117	194712	52.769	ug/l	99
39) Methylcyclohexane	9.600	83	208402	51.792	ug/l	95
40) Benzene	8.606	78	503465	51.587	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	99204	47.566	ug/l	97
42) 1,2-Dichloroethane	8.671	62	181299	50.996	ug/l	98
43) Isopropyl Acetate	8.688	43	328363	51.735	ug/l	96
44) Trichloroethene	9.353	130	122797	52.862	ug/l	94
45) 1,2-Dichloropropane	9.624	63	122347	52.813	ug/l	98
46) Dibromomethane	9.706	93	87102	52.529	ug/l	98
47) Bromodichloromethane	9.888	83	190295	51.111	ug/l	97
48) Methyl methacrylate	9.677	41	146126	48.186	ug/l	92
49) 1,4-Dioxane	9.694	88	51175	935.376	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	867552	250.111	ug/l	93
52) Toluene	10.629	92	324231	52.580	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	207401	54.230	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	212354	52.203	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	116107	52.541	ug/l	98
56) Ethyl methacrylate	10.876	69	212610	51.035	ug/l	88
57) 1,3-Dichloropropane	11.165	76	204522	51.924	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	436915	248.113	ug/l	96
59) 2-Hexanone	11.194	43	672414	250.574	ug/l	92
60) Dibromochloromethane	11.359	129	143409	53.675	ug/l	99
61) 1,2-Dibromoethane	11.471	107	118004	50.832	ug/l	97
64) Tetrachloroethene	11.106	164	104503	52.454	ug/l	98
65) Chlorobenzene	11.888	112	344989	51.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	121873	51.981	ug/l	99
67) Ethyl Benzene	11.965	91	634633	52.039	ug/l	100
68) m/p-Xylenes	12.071	106	481394	105.378	ug/l	99
69) o-Xylene	12.400	106	233661	51.861	ug/l	99
70) Styrene	12.412	104	400250	52.892	ug/l	98
71) Bromoform	12.576	173	95248	53.625	ug/l #	100
73) Isopropylbenzene	12.694	105	609778	50.602	ug/l	100
74) N-amyl acetate	12.494	43	279289	47.382	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	162788	47.762	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	146673m	46.386	ug/l	
77) Bromobenzene	12.982	156	136804	51.105	ug/l	97
78) n-propylbenzene	13.035	91	716919	51.666	ug/l	99
79) 2-Chlorotoluene	13.123	91	447646	50.884	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	521969	51.737	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	68742	47.289	ug/l	92
82) 4-Chlorotoluene	13.223	91	446936	50.648	ug/l	98
83) tert-Butylbenzene	13.435	119	456417	51.085	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	521593	51.301	ug/l	99
85) sec-Butylbenzene	13.617	105	627198	51.447	ug/l	100
86) p-Isopropyltoluene	13.729	119	534469	53.096	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	256250	50.873	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	257146	50.639	ug/l	98
89) n-Butylbenzene	14.053	91	471053	54.007	ug/l	97
90) Hexachloroethane	14.335	117	100564	51.711	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	244422	50.145	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38372	46.396	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	144798	53.025	ug/l	97
94) Hexachlorobutadiene	15.500	225	57826	47.615	ug/l	99
95) Naphthalene	15.641	128	477902	49.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	136587	50.550	ug/l	97

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

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