

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080133.D
 Acq On : 16 Nov 2023 13:09
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 17 01:08:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 00:59:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	246041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	405200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	362374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	20876	5.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	15401	5.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	10.570	98	51547	4.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.560%#		
62) 4-Bromofluorobenzene	12.853	95	19981	4.908	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	17401	4.748	ug/l	97
3) Chloromethane	2.365	50	13628	4.946	ug/l	98
4) Vinyl Chloride	2.512	62	14931	5.120	ug/l	93
5) Bromomethane	2.947	94	11265	5.691	ug/l	99
6) Chloroethane	3.118	64	11697	5.284	ug/l #	82
7) Trichlorofluoromethane	3.494	101	31185	5.127	ug/l	95
8) Diethyl Ether	3.971	74	9116	5.153	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	14327	5.153	ug/l	93
10) Methyl Iodide	4.594	142	14342	4.773	ug/l #	83
11) Tert butyl alcohol	5.524	59	12053	26.979	ug/l #	84
12) 1,1-Dichloroethene	4.341	96	13333	5.127	ug/l	86
13) Acrolein	4.189	56	10832	27.397	ug/l	91
14) Allyl chloride	5.018	41	17258	5.275	ug/l	98
15) Acrylonitrile	5.724	53	31894	26.593	ug/l	96
16) Acetone	4.430	43	43073	31.567	ug/l	98
17) Carbon Disulfide	4.712	76	39765	5.121	ug/l	95
18) Methyl Acetate	5.030	43	23515	5.364	ug/l	89
19) Methyl tert-butyl Ether	5.794	73	46203	5.031	ug/l	94
20) Methylene Chloride	5.277	84	16289	5.700	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	14708	5.148	ug/l #	70
22) Diisopropyl ether	6.677	45	37294	5.152	ug/l #	91
23) Vinyl Acetate	6.606	43	112650m	25.888	ug/l	
24) 1,1-Dichloroethane	6.565	63	27855	5.283	ug/l	99
25) 2-Butanone	7.488	43	48932	30.183	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	26306	5.029	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	17566	5.423	ug/l	86
28) Bromochloromethane	7.806	49	11101	5.356	ug/l #	89
29) Tetrahydrofuran	7.847	42	23123	26.567	ug/l	91
30) Chloroform	7.971	83	30567	5.187	ug/l	94
31) Cyclohexane	8.253	56	24387	5.520	ug/l #	91
32) 1,1,1-Trichloroethane	8.165	97	29817	5.189	ug/l #	51
36) 1,1-Dichloropropene	8.377	75	20858	4.819	ug/l	94
37) Ethyl Acetate	7.571	43	15918	5.302	ug/l	98
38) Carbon Tetrachloride	8.365	117	26799	4.879	ug/l #	91
39) Methylcyclohexane	9.600	83	19870	4.761	ug/l #	88
40) Benzene	8.606	78	63035	5.124	ug/l	95

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Reviewed By : John Carlone 11/17/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	7764	4.709	ug/l	96
42) 1,2-Dichloroethane	8.671	62	25698	5.106	ug/l	93
43) Isopropyl Acetate	8.694	43	31412	5.376	ug/l #	91
44) Trichloroethene	9.359	130	16327	5.059	ug/l	82
45) 1,2-Dichloropropane	9.629	63	15145	5.297	ug/l	98
46) Dibromomethane	9.712	93	11139	5.147	ug/l	91
47) Bromodichloromethane	9.894	83	24048	5.051	ug/l #	90
48) Methyl methacrylate	9.682	41	15209	5.051	ug/l	88
49) 1,4-Dioxane	9.700	88	5398	107.761	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	76983	25.449	ug/l	97
52) Toluene	10.635	92	37713	4.898	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	24486	5.006	ug/l	92
54) cis-1,3-Dichloropropene	10.312	75	24439	4.891	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	14699	5.002	ug/l	89
56) Ethyl methacrylate	10.876	69	14264	4.751	ug/l #	63
57) 1,3-Dichloropropane	11.165	76	26096	5.086	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	40202	23.771	ug/l	96
59) 2-Hexanone	11.200	43	69462	28.576	ug/l	93
60) Dibromochloromethane	11.359	129	17695	5.030	ug/l	99
61) 1,2-Dibromoethane	11.470	107	14991	5.001	ug/l	96
64) Tetrachloroethene	11.106	164	14224	5.143	ug/l	98
65) Chlorobenzene	11.894	112	41993	5.114	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	16297	5.114	ug/l	94
67) Ethyl Benzene	11.965	91	70953	4.856	ug/l	92
68) m/p-Xylenes	12.070	106	51332	9.636	ug/l	87
69) o-Xylene	12.400	106	24637	4.907	ug/l	88
70) Styrene	12.417	104	35995	4.817	ug/l	94
71) Bromoform	12.582	173	11368	4.811	ug/l #	100
73) Isopropylbenzene	12.700	105	63722	4.991	ug/l	99
74) N-amyl acetate	12.500	43	20290	5.096	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	20811	5.447	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	20883m	5.213	ug/l	
77) Bromobenzene	12.982	156	17137	5.324	ug/l	97
78) n-propylbenzene	13.041	91	69769	4.887	ug/l	97
79) 2-Chlorotoluene	13.129	91	47393	5.111	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	54126	4.870	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	5958	5.001	ug/l #	78
82) 4-Chlorotoluene	13.223	91	48155	5.070	ug/l	96
83) tert-Butylbenzene	13.441	119	43166	4.844	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	53166	4.858	ug/l	97
85) sec-Butylbenzene	13.617	105	55933	4.961	ug/l	99
86) p-Isopropyltoluene	13.729	119	48544	4.820	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	29519	5.090	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	29876	5.126	ug/l	91
89) n-Butylbenzene	14.059	91	39940	4.738	ug/l	99
90) Hexachloroethane	14.335	117	9486	4.831	ug/l #	59
91) 1,2-Dichlorobenzene	14.111	146	28488	5.134	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4321	4.869	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	15720	4.871	ug/l	99
94) Hexachlorobutadiene	15.505	225	9208	4.958	ug/l	96
95) Naphthalene	15.641	128	43344	4.631	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	14336	4.739	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

