

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032750.D
 Acq On : 11 Nov 2022 02:08
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 11 04:57:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 04:46:19 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2022
 Supervised By : Mahesh Dadoda 11/11/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	13257	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	94141	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	103183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	37602	36.126	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 120.433%#	
60) 4-Bromofluorobenzene	11.085	95	60000	31.595	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 105.300%	
63) Toluene-d8	8.653	98	103866	21.404	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 71.333%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174552	252.390	ug/l	99
3) Chloromethane	1.294	50	165882	237.489	ug/l	97
4) Vinyl Chloride	1.374	62	190501	215.033	ug/l	99
5) Bromomethane	1.611	94	164082	203.185	ug/l	97
6) Chloroethane	1.685	64	144951	191.915	ug/l	90
7) Trichlorofluoromethane	1.886	101	364370	199.071	ug/l	98
8) Diethyl Ether	2.130	74	121666	200.348	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	196166	217.612	ug/l	98
10) 1,1-Dichloroethene	2.319	96	192451	229.408	ug/l	89
11) Methyl Iodide	2.453	142	239374	260.866	ug/l	99
12) Methyl Acetate	2.703	43	286885	273.961	ug/l #	86
13) Acrolein	2.239	56	188455	1721.882	ug/l	98
14) Acrylonitrile	3.068	53	509018	1226.316	ug/l	99
15) Acetone	2.392	58	129122	1158.313	ug/l	78
16) Carbon Disulfide	2.514	76	496642	258.989	ug/l	99
17) Allyl chloride	2.666	41	313180	283.947	ug/l	91
18) Methylene Chloride	2.788	84	212222	221.043	ug/l	90
19) trans-1,2-Dichloroethene	3.093	96	214582	225.078	ug/l #	82
20) Diisopropyl ether	3.763	45	701196	281.036	ug/l #	81
21) 1,1-Dichloroethane	3.611	63	385766	245.199	ug/l	95
22) cis-1,2-Dichloroethene	4.489	96	249781	218.941	ug/l	89
23) tert-Butyl Alcohol	3.062	59	131343m	862.982	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	704634	243.412	ug/l #	88
25) Chloroform	5.099	83	433360	234.355	ug/l	98
26) Cyclohexane	5.471	56	330531	252.796	ug/l #	84
29) 1,1-Dichloropropene	5.696	75	309964	196.498	ug/l	96
30) 2-Butanone	4.562	43	709149	1075.854	ug/l	91
31) 2,2-Dichloropropane	4.477	77	273036	178.672	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	397212	191.990	ug/l	96
33) Carbon Tetrachloride	5.678	117	352391	188.405	ug/l	99
34) Benzene	6.037	78	869203	188.844	ug/l #	97
35) Methacrylonitrile	4.922	41	166104	234.686	ug/l	93
36) 1,2-Dichloroethane	6.092	62	352136	208.029	ug/l #	93
37) Trichloroethene	7.129	130	240733	164.383	ug/l	93
38) Methylcyclohexane	7.379	83	339119	179.172	ug/l	89
39) 1,2-Dichloropropane	7.434	63	216856	200.549	ug/l	95
40) Dibromomethane	7.580	93	167003	183.300	ug/l	97
41) Bromodichloromethane	7.824	83	336460	200.796	ug/l	100
42) Vinyl Acetate	3.727	43	2839452	1168.497	ug/l #	92

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43) Ethyl Acetate	4.715	43	294614	220.412	ug/l	#	86
44) Isopropyl Acetate	6.342	43	505244	235.579	ug/l		95
45) 1,4-Dioxane	7.702	88	90305	3308.318	ug/l	#	84
46) Methyl methacrylate	7.696	41	251141	245.538	ug/l		86
47) n-amyl Acetate	10.848	43	446273	238.726	ug/l		94
48) t-1,3-Dichloropropene	8.976	75	361108	216.470	ug/l		99
49) cis-1,3-Dichloropropene	8.366	75	372963	206.029	ug/l	#	91
50) 1,1,2-Trichloroethane	9.153	97	237058	182.896	ug/l		96
51) Ethyl methacrylate	9.116	69	364933	209.477	ug/l		82
52) 1,3-Dichloropropane	9.311	76	380181	187.390	ug/l		99
53) Dibromochloromethane	9.525	129	272731	188.030	ug/l		99
54) 1,2-Dibromoethane	9.610	107	256079	179.028	ug/l		99
55) 2-Chloroethyl vinyl ether	8.244	63	859093	1017.978	ug/l		93
56) Bromoform	10.799	173	198008	186.249	ug/l		99
58) 4-Methyl-2-Pentanone	8.580	43	1462409	976.751	ug/l		93
59) 2-Hexanone	9.433	43	1070355	958.471	ug/l		93
61) Tetrachloroethene	9.275	164	208060	129.011	ug/l		94
62) Toluene	8.720	91	1002963	166.417	ug/l		98
64) Chlorobenzene	10.079	112	620339	153.941	ug/l		100
65) 1,1,1,2-Tetrachloroethane	10.165	131	245576	159.324	ug/l		100
66) Ethyl Benzene	10.195	91	1124991	166.282	ug/l		97
67) m/p-Xylenes	10.305	106	889022	320.787	ug/l		92
68) o-Xylene	10.646	106	433738	158.983	ug/l		91
69) Styrene	10.659	104	739149	166.166	ug/l		95
70) Isopropylbenzene	10.963	105	1144114	160.861	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.213	83	336231	163.284	ug/l		99
72) 1,2,3-Trichloropropane	11.244	75	299791m	167.388	ug/l		
73) Bromobenzene	11.201	156	283553	150.423	ug/l		88
74) n-propylbenzene	11.305	91	1327023	168.672	ug/l		96
75) 2-Chlorotoluene	11.366	91	786288	165.882	ug/l		93
76) 1,3,5-Trimethylbenzene	11.451	105	983131	164.082	ug/l		96
77) t-1,4-Dichloro-2-butene	11.018	75	106367	200.563	ug/l		97
78) 4-Chlorotoluene	11.457	91	921903	170.607	ug/l		94
79) tert-butylbenzene	11.719	119	960988	160.698	ug/l		95
80) 1,2,4-Trimethylbenzene	11.756	105	950309	159.937	ug/l		96
81) sec-Butylbenzene	11.890	105	1147975	157.106	ug/l		96
82) p-Isopropyltoluene	12.012	119	971900	152.636	ug/l		96
83) 1,3-Dichlorobenzene	11.969	146	514475	144.773	ug/l		97
84) 1,4-Dichlorobenzene	12.042	146	519482	143.617	ug/l		98
85) n-Butylbenzene	12.335	91	844503	168.035	ug/l		96
86) Hexachloroethane	12.542	117	172883	170.169	ug/l		100
87) 1,2-Dichlorobenzene	12.335	146	499978	141.495	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	78572	189.723	ug/l		82
89) 1,2,4-Trichlorobenzene	13.591	180	325812	142.148	ug/l		100
90) Hexachlorobutadiene	13.725	225	124504	134.668	ug/l		99
91) Naphthalene	13.780	128	1090338	149.441	ug/l		98
92) 1,2,3-Trichlorobenzene	13.963	180	322096	141.050	ug/l		97

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

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