

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042841.D
 Acq On : 02 Aug 2024 14:26
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 02 21:21:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:18:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

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

Internal Standards						
1) Bromochloromethane	4.904	128	14015	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	91683	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87627	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	43320	40.686	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 135.633%#			
60) 4-Bromofluorobenzene	11.079	95	44699	32.095	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 106.967%			
63) Toluene-d8	8.653	98	113214	29.534	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	148032	170.005	ug/l	100
3) Chloromethane	1.301	50	105460	124.503	ug/l	100
4) Vinyl Chloride	1.374	62	109211	130.127	ug/l	99
5) Bromomethane	1.599	94	43900	96.133	ug/l	100
6) Chloroethane	1.673	64	52116	132.110	ug/l	99
7) Trichlorofluoromethane	1.880	101	195378	174.132	ug/l	99
8) Diethyl Ether	2.136	74	71125	153.795	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.319	101	140906	162.140	ug/l	87
10) 1,1-Dichloroethene	2.319	96	128791	156.088	ug/l	97
11) Methyl Iodide	2.447	142	139331	152.308	ug/l	87
12) Methyl Acetate	2.709	43	261382	184.866	ug/l	92
13) Acrolein	2.240	56	40443	272.158	ug/l	98
14) Acrylonitrile	3.069	53	425300	826.421	ug/l	96
15) Acetone	2.392	58	122402	795.787	ug/l	94
16) Carbon Disulfide	2.508	76	271414	164.758	ug/l	98
17) Allyl chloride	2.660	41	175843	137.418	ug/l	84
18) Methylene Chloride	2.788	84	152246	157.586	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	134414	160.190	ug/l	96
20) Diisopropyl ether	3.770	45	396468	144.847	ug/l	94
21) 1,1-Dichloroethane	3.611	63	241028	151.542	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	172544	162.836	ug/l	97
23) tert-Butyl Alcohol	2.983	59	220347	1089.544	ug/l #	100
24) Methyl tert-Butyl Ether	3.124	73	505802	178.989	ug/l	96
25) Chloroform	5.099	83	289744	172.965	ug/l	97
26) Cyclohexane	5.471	56	187044	145.055	ug/l #	92
29) 1,1-Dichloropropene	5.690	75	183592	150.702	ug/l	95
30) 2-Butanone	4.568	43	591348	727.702	ug/l	95
31) 2,2-Dichloropropane	4.477	77	233652	164.050	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	268677	166.130	ug/l	98
33) Carbon Tetrachloride	5.678	117	233265	165.685	ug/l	99
34) Benzene	6.038	78	560972	141.577	ug/l	99
35) Methacrylonitrile	4.928	41	115645	145.820	ug/l	93
36) 1,2-Dichloroethane	6.093	62	227602	169.777	ug/l #	93
37) Trichloroethene	7.129	130	147751	139.801	ug/l	91
38) Methylcyclohexane	7.379	83	220444	142.719	ug/l	96
39) 1,2-Dichloropropane	7.434	63	133078	136.445	ug/l	93
40) Dibromomethane	7.580	93	113563	157.289	ug/l	81
41) Bromodichloromethane	7.824	83	228928	166.168	ug/l	97
42) Vinyl Acetate	3.727	43	1739210	677.351	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	203223	142.655	ug/l	99
44) Isopropyl Acetate	6.342	43	344972	152.908	ug/l	98
45) 1,4-Dioxane	7.665	88	85519	3348.886	ug/l	97
46) Methyl methacrylate	7.696	41	168075	153.199	ug/l	89
47) n-amyl Acetate	10.842	43	291839	146.937	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	233348	172.184	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	241173	160.274	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	151072	144.469	ug/l	99
51) Ethyl methacrylate	9.116	69	256190	156.010	ug/l	92
52) 1,3-Dichloropropane	9.311	76	246025	144.673	ug/l	100
53) Dibromochloromethane	9.525	129	182661	159.093	ug/l	100
54) 1,2-Dibromoethane	9.610	107	159385	146.578	ug/l	100
55) 2-Chloroethyl vinyl ether	8.245	63	548419	692.845	ug/l	99
56) Bromoform	10.799	173	127465	140.586	ug/l #	98
58) 4-Methyl-2-Pentanone	8.580	43	1111185	706.487	ug/l	98
59) 2-Hexanone	9.433	43	874924	708.458	ug/l	99
61) Tetrachloroethene	9.275	164	122023	115.459	ug/l #	88
62) Toluene	8.720	91	619056	139.414	ug/l	99
64) Chlorobenzene	10.080	112	416467	138.267	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	154588	142.999	ug/l	99
66) Ethyl Benzene	10.195	91	718911	146.962	ug/l	98
67) m/p-Xylenes	10.305	106	545906	279.806	ug/l	94
68) o-Xylene	10.640	106	268481	138.135	ug/l	93
69) Styrene	10.659	104	474916	145.851	ug/l	94
70) Isopropylbenzene	10.964	105	706713	143.089	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	238425	139.937	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	231181m	170.239	ug/l	
73) Bromobenzene	11.201	156	170883	125.235	ug/l	87
74) n-propylbenzene	11.305	91	825054	149.705	ug/l	97
75) 2-Chlorotoluene	11.366	91	504116	145.386	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	600094	144.813	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	84523	167.921	ug/l	93
78) 4-Chlorotoluene	11.457	91	587559	151.809	ug/l	94
79) tert-butylbenzene	11.713	119	611634	139.898	ug/l	90
80) 1,2,4-Trimethylbenzene	11.750	105	611886	147.169	ug/l	95
81) sec-Butylbenzene	11.890	105	761760	146.168	ug/l	97
82) p-Isopropyltoluene	12.012	119	643576	143.062	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	318504	127.940	ug/l	94
84) 1,4-Dichlorobenzene	12.043	146	328176	132.480	ug/l	95
85) n-Butylbenzene	12.335	91	576229	159.832	ug/l	97
86) Hexachloroethane	12.543	117	118774	153.535	ug/l	71
87) 1,2-Dichlorobenzene	12.335	146	313751	125.256	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.939	75	67460	184.984	ug/l #	68
89) 1,2,4-Trichlorobenzene	13.585	180	207028	123.621	ug/l #	96
90) Hexachlorobutadiene	13.725	225	81732	101.929	ug/l	96
91) Naphthalene	13.774	128	781060	151.843	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	211218	123.249	ug/l	97

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

