

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019756.D
 Acq On : 08 Dec 2020 10:21
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:17:47 AM

Quant Time: Dec 09 05:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 05:54:44 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.970	128	64312	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	355985	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.091	117	323460	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	136188	30.55	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.83%		
60) 4-Bromofluorobenzene	11.116	95	160274	29.51	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.37%		
63) Toluene-d8	8.689	98	432579	30.53	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.77%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	16770	4.91	ug/l	94
3) Chloromethane	1.312	50	18395	5.04	ug/l	100
4) Vinyl Chloride	1.392	62	21111	5.00	ug/l	97
5) Bromomethane	1.623	94	8469	5.19	ug/l	97
6) Chloroethane	1.703	64	13167	4.95	ug/l	98
7) Trichlorofluoromethane	1.910	101	29835	5.02	ug/l	98
8) Diethyl Ether	2.166	74	11905	4.82	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	16848	4.93	ug/l	97
10) 1,1-Dichloroethene	2.355	96	17530	5.05	ug/l	99
11) Methyl Iodide	2.489	142	20821	4.59	ug/l	98
12) Methyl Acetate	2.745	43	20918	4.63	ug/l	99
13) Acrolein	2.270	56	15049	23.50	ug/l	96
14) Acrylonitrile	3.111	53	52982	24.11	ug/l	99
15) Acetone	2.416	58	16012	24.49	ug/l	89
16) Carbon Disulfide	2.550	76	48614	5.12	ug/l	100
17) Allyl chloride	2.702	41	27173	4.75	ug/l	97
18) Methylene Chloride	2.830	84	21757	5.08	ug/l	97
19) trans-1,2-Dichloroethene	3.141	96	20526	5.10	ug/l	99
20) Diisopropyl ether	3.818	45	57813	4.88	ug/l	95
21) 1,1-Dichloroethane	3.666	63	35063	4.94	ug/l	99
22) cis-1,2-Dichloroethene	4.556	96	23022	4.95	ug/l	98
23) tert-Butyl Alcohol	3.007	59	30221	135.49	ug/l #	100
24) Methyl tert-Butyl Ether	3.160	73	60890	4.82	ug/l	100
25) Chloroform	5.165	83	35774	4.88	ug/l	97
26) Cyclohexane	5.543	56	30313	4.97	ug/l #	100
29) 1,1-Dichloropropene	5.763	75	27188	4.92	ug/l	99
30) 2-Butanone	4.629	43	70027	23.92	ug/l	100
31) 2,2-Dichloropropane	4.550	77	30068	4.82	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	30826	4.82	ug/l	99
33) Carbon Tetrachloride	5.745	117	26064	4.73	ug/l	99
34) Benzene	6.104	78	82862	4.90	ug/l	98
35) Methacrylonitrile	4.995	41	13806	4.56	ug/l	93
36) 1,2-Dichloroethane	6.153	62	28885	4.97	ug/l	99
37) Trichloroethene	7.183	130	21942	4.95	ug/l	99
38) Methylcyclohexane	7.433	83	31591	4.81	ug/l	99
39) 1,2-Dichloropropane	7.482	63	20602	4.85	ug/l	99
40) Dibromomethane	7.635	93	14207	4.89	ug/l	99
41) Bromodichloromethane	7.872	83	26639	4.61	ug/l	98
42) Vinyl Acetate	3.782	43	240057	23.41	ug/l	100
43) Ethyl Acetate	4.787	43	26782	4.83	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.403	43	41720	4.62	ug/l	100
45) 1,4-Dioxane	7.714	88	10280	94.07	ug/l	99
46) Methyl methacrylate	7.738	41	19756	4.44	ug/l	100
47) n-amyl Acetate	10.878	43	32416	4.19	ug/l	98
48) t-1,3-Dichloropropene	9.018	75	27965	4.35	ug/l	100
49) cis-1,3-Dichloropropene	8.409	75	32039	4.56	ug/l	99
50) 1,1,2-Trichloroethane	9.195	97	20737	4.79	ug/l	98
51) Ethyl methacrylate	9.153	69	28960	4.35	ug/l	98
52) 1,3-Dichloropropane	9.348	76	35393	4.85	ug/l	100
53) Dibromochloromethane	9.561	129	20287	4.44	ug/l	98
54) 1,2-Dibromoethane	9.652	107	21608	4.71	ug/l	98
55) 2-Chloroethyl vinyl ether	8.287	63	76407	22.21	ug/l	99
56) Bromoform	10.835	173	13806	4.06	ug/l	96
58) 4-Methyl-2-Pentanone	8.616	43	128228	23.20	ug/l	99
59) 2-Hexanone	9.470	43	99987	23.18	ug/l	99
61) Tetrachloroethene	9.311	164	19414	5.09	ug/l	94
62) Toluene	8.762	91	88569	4.96	ug/l	100
64) Chlorobenzene	10.122	112	54956	4.91	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.201	131	19153	4.61	ug/l	99
66) Ethyl Benzene	10.232	91	95381	4.75	ug/l	99
67) m/p-Xylenes	10.341	106	71757	9.47	ug/l	100
68) o-Xylene	10.683	106	34325	4.67	ug/l	98
69) Styrene	10.695	104	55765	4.46	ug/l	99
70) Isopropylbenzene	11.000	105	92602	4.72	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	32649	4.81	ug/l	99
72) 1,2,3-Trichloropropane	11.274	75	30819m	4.87	ug/l	
73) Bromobenzene	11.238	156	23855	4.78	ug/l	98
74) n-propylbenzene	11.341	91	104743	4.62	ug/l	99
75) 2-Chlorotoluene	11.402	91	65674	4.77	ug/l	99
76) 1,3,5-Trimethylbenzene	11.487	105	76875	4.63	ug/l	99
77) t-1,4-Dichloro-2-butene	11.055	75	9005	3.94	ug/l	95
78) 4-Chlorotoluene	11.494	91	74811	4.70	ug/l	100
79) tert-butylbenzene	11.756	119	74883	4.60	ug/l	98
80) 1,2,4-Trimethylbenzene	11.786	105	77593	4.65	ug/l	99
81) sec-Butylbenzene	11.926	105	85664	4.55	ug/l	100
82) p-Isopropyltoluene	12.048	119	78879	4.57	ug/l	98
83) 1,3-Dichlorobenzene	12.006	146	42517	4.73	ug/l	98
84) 1,4-Dichlorobenzene	12.079	146	42486	4.69	ug/l	98
85) n-Butylbenzene	12.371	91	64971	4.28	ug/l	100
86) Hexachloroethane	12.579	117	13090	4.31	ug/l	99
87) 1,2-Dichlorobenzene	12.371	146	42717	4.83	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.981	75	6754	4.58	ug/l	92
89) 1,2,4-Trichlorobenzene	13.627	180	25541	4.38	ug/l	100
90) Hexachlorobutadiene	13.761	225	12844	5.03	ug/l	99
91) Naphthalene	13.816	128	79766	4.17	ug/l	100
92) 1,2,3-Trichlorobenzene	13.999	180	25391	4.43	ug/l	99

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

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