

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016951.D
 Acq On : 25 Jun 2020 13:49
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:33:52 PM

Quant Time: Jun 26 09:01:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 08:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	39822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	218376	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	203939	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	91774	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	11.12	95	104948	30.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.87%
63) Toluene-d8	8.70	98	267581	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	191629	98.959 ug/l	98
3) Chloromethane	1.31	50	261607	99.621 ug/l	100
4) Vinyl Chloride	1.39	62	267406	99.854 ug/l	96
5) Bromomethane	1.62	94	167181	86.702 ug/l	98
6) Chloroethane	1.70	64	172008	99.590 ug/l	99
7) Trichlorofluoromethane	1.91	101	435548	100.006 ug/l	100
8) Diethyl Ether	2.17	74	159107	100.401 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	226875	98.153 ug/l	97
10) 1,1-Dichloroethene	2.36	96	228757	100.345 ug/l	94
11) Methyl Iodide	2.49	142	344108	113.048 ug/l	99
12) Methyl Acetate	2.75	43	292629	101.762 ug/l	97
13) Acrolein	2.27	56	235856	519.792 ug/l	100
14) Acrylonitrile	3.12	53	691532	507.743 ug/l	99
15) Acetone	2.42	58	177139	502.575 ug/l	99
16) Carbon Disulfide	2.55	76	710372	99.123 ug/l	98
17) Allyl chloride	2.70	41	438726	102.803 ug/l	97
18) Methylene Chloride	2.84	84	266951	97.221 ug/l	94
19) trans-1,2-Dichloroethene	3.14	96	259518	100.472 ug/l	94
20) Diisopropyl ether	3.82	45	884650	103.725 ug/l	96
21) 1,1-Dichloroethane	3.67	63	479579	101.976 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	293957	102.218 ug/l	99
23) tert-Butyl Alcohol	3.02	59	307244	1924.528 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	843079	103.572 ug/l	99
25) Chloroform	5.18	83	482390	101.169 ug/l	99
26) Cyclohexane	5.55	56	419648	102.293 ug/l	# 98
29) 1,1-Dichloropropene	5.77	75	361704	101.675 ug/l	99
30) 2-Butanone	4.64	43	961889	518.739 ug/l	100
31) 2,2-Dichloropropane	4.55	77	412916	101.208 ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	437134	101.551 ug/l	99
33) Carbon Tetrachloride	5.76	117	391869	102.652 ug/l	99
34) Benzene	6.11	78	1055294	101.878 ug/l	98
35) Methacrylonitrile	5.01	41	212770	103.972 ug/l	98
36) 1,2-Dichloroethane	6.16	62	401191	101.128 ug/l	98
37) Trichloroethene	7.18	130	286797	101.467 ug/l	92
38) Methylcyclohexane	7.44	83	419436	103.532 ug/l	99
39) 1,2-Dichloropropane	7.49	63	275156	101.961 ug/l	95
40) Dibromomethane	7.63	93	188624	101.415 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	399118	103.630	ug/l	94
42) Vinyl Acetate	3.79	43	3944984	527.942	ug/l	100
43) Ethyl Acetate	4.79	43	391524	102.194	ug/l	100
44) Isopropyl Acetate	6.42	43	661898	104.548	ug/l	100
45) 1,4-Dioxane	7.71	88	134073	2099.148	ug/l	97
46) Methyl methacrylate	7.74	41	319258	108.968	ug/l	98
47) n-amyl Acetate	10.88	43	620442	110.871	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	454134	106.644	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	465207	103.949	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	265413	102.250	ug/l	97
51) Ethyl methacrylate	9.16	69	430419	108.048	ug/l	97
52) 1,3-Dichloropropane	9.35	76	457309	102.617	ug/l	98
53) Dibromochloromethane	9.57	129	312866	104.867	ug/l	100
54) 1,2-Dibromoethane	9.65	107	284089	103.141	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	1105364	527.293	ug/l	100
56) Bromoform	10.84	173	229948	108.577	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1951352	519.445	ug/l	99
59) 2-Hexanone	9.48	43	1501038	535.395	ug/l	99
61) Tetrachloroethene	9.32	164	258698	99.467	ug/l	95
62) Toluene	8.77	91	1135161	101.767	ug/l	100
64) Chlorobenzene	10.12	112	712022	101.889	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	274982	104.525	ug/l	99
66) Ethyl Benzene	10.24	91	1286171	103.977	ug/l	100
67) m/p-Xylenes	10.34	106	968932	207.645	ug/l	100
68) o-Xylene	10.68	106	468427	104.504	ug/l	99
69) Styrene	10.70	104	828828	107.992	ug/l	99
70) Isopropylbenzene	11.00	105	1261731	103.783	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	387021	103.655	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	367853m	102.592	ug/l	
73) Bromobenzene	11.24	156	323979	105.590	ug/l	98
74) n-propylbenzene	11.35	91	1530549	106.030	ug/l	99
75) 2-Chlorotoluene	11.40	91	888233	105.522	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1090588	106.870	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	156049	107.391	ug/l	98
78) 4-Chlorotoluene	11.49	91	1052848	105.639	ug/l	99
79) tert-butylbenzene	11.76	119	1042151	106.605	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1086232	106.027	ug/l	99
81) sec-Butylbenzene	11.93	105	1259854	106.443	ug/l	98
82) p-Isopropyltoluene	12.05	119	1136706	106.364	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	562300	102.265	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	560818	101.514	ug/l	99
85) n-Butylbenzene	12.37	91	1053026	106.453	ug/l	99
86) Hexachloroethane	12.58	117	221167	105.749	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	533476	103.658	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	90885	106.989	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	366336	105.506	ug/l	98
90) Hexachlorobutadiene	13.77	225	132654	100.431	ug/l	99
91) Naphthalene	13.82	128	1225566	107.684	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	351941	103.865	ug/l	98

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

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