

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018508.D
 Acq On : 21 Sep 2020 11:30
 Operator : JC/SP
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 1:12:48 PM

Quant Time: Sep 22 01:15:08 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Sep 22 00:58:36 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	663427	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	630846	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	315481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	21099	4.65	ug/L	0.00
7) Chloroethane-d5	1.70	69	16784	4.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.35	63	43820	4.69	ug/L	0.00
21) 2-Butanone-d5	4.53	46	24834	7.98	ug/L	0.00
24) Chloroform-d	5.14	84	37911	4.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	32816	5.03	ug/L	0.00
32) Benzene-d6	6.05	84	75182	4.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	23006	4.31	ug/L	0.00
41) Toluene-d8	8.70	98	76973	4.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	12312m	3.96	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	16157	6.86	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	31182	4.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	28711	4.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	32611	5.717 ug/L	96
3) Chloromethane	1.31	50	23740	5.521 ug/L	99
5) Vinyl chloride	1.39	62	26759	5.496 ug/L	98
6) Bromomethane	1.64	94	13402	5.270 ug/L	93
8) Chloroethane	1.72	64	16152	5.561 ug/L	86
9) Trichlorofluoromethane	1.92	101	46427	5.624 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	25173	5.585 ug/L	98
12) 1,1-Dichloroethene	2.36	96	22203	5.224 ug/L	90
13) Acetone	2.42	43	25127	11.791 ug/L	93
14) Carbon disulfide	2.55	76	68502	5.255 ug/L	97
15) Methyl Acetate	2.75	43	22961	4.942 ug/L #	89
16) Methylene chloride	2.83	84	26381	5.752 ug/L	95
17) trans-1,2-Dichloroethene	3.15	96	24446	5.530 ug/L	90
18) Methyl tert-butyl Ether	3.17	73	73730	5.030 ug/L	97
19) 1,1-Dichloroethane	3.67	63	44606	5.371 ug/L	98
20) cis-1,2-Dichloroethene	4.57	96	26807	5.600 ug/L	83
22) 2-Butanone	4.64	43	33525	9.988 ug/L	99
23) Bromochloromethane	4.97	128	14195m	5.237 ug/L	
25) Chloroform	5.17	83	50585	5.415 ug/L	95
27) 1,2-Dichloroethane	6.16	62	39125	5.199 ug/L	97
29) Cyclohexane	5.54	56	34688	4.865 ug/L #	91
30) 1,1,1-Trichloroethane	5.46	97	45938	5.360 ug/L	98
31) Carbon tetrachloride	5.76	117	40180	5.123 ug/L	99
33) Benzene	6.11	78	92363	5.070 ug/L	100
34) Trichloroethene	7.18	95	26735	5.377 ug/L	95
35) Methylcyclohexane	7.44	83	37560	5.028 ug/L	99
37) 1,2-Dichloropropane	7.49	63	25461m	5.399 ug/L	
38) Bromodichloromethane	7.88	83	35573	5.188 ug/L #	94
39) cis-1,3-Dichloropropene	8.42	75	38883	4.968 ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	58794	8.955 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	97208	4.862	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	37771	4.786	ug/L	90
45) 1,1,2-Trichloroethane	9.20	97	23917	5.068	ug/L	98
46) Tetrachloroethene	9.32	164	22654	5.474	ug/L	97
48) 2-Hexanone	9.47	43	47339	9.274	ug/L	96
49) Dibromochloromethane	9.56	129	29254	4.979	ug/L	90
50) 1,2-Dibromoethane	9.65	107	25330	4.960	ug/L	96
51) Chlorobenzene	10.12	112	66661	5.038	ug/L	98
52) Ethylbenzene	10.23	91	104872	4.740	ug/L	98
53) m,p-Xylene	10.34	106	39692	4.600	ug/L	73
54) o-Xylene	10.68	106	38061	4.556	ug/L	98
55) Styrene	10.70	104	62863	4.407	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	35870	5.017	ug/L	94
59) Bromoform	10.84	173	20825	4.901	ug/L	95
60) Isopropylbenzene	11.00	105	99734	4.762	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	30269	5.418	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	77850	4.483	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	79214	4.442	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	52471	5.247	ug/L	97
65) 1,4-Dichlorobenzene	12.09	146	52958	5.222	ug/L	94
67) 1,2-Dichlorobenzene	12.37	146	51176	5.282	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	8548	5.122	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	34813	5.397	ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	30546	5.187	ug/L	96
71) Naphthalene	13.82	128	83106	4.157	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	30982	4.938	ug/L	98

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

