

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033719.D
 Acq On : 17 May 2019 16:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:06:31 PM

Quant Time: May 18 01:41:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1080722	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2580622	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2749279m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2192112	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	2018145	8.861 ppbv	99
3) Chlorodifluoromethane	3.01	51	1239753	10.015 ppbv	100
4) Chloromethane	3.17	50	655303	9.255 ppbv	98
5) Vinyl Chloride	3.29	62	656921	9.108 ppbv	97
6) Bromomethane	3.51	94	429344	9.756 ppbv	100
7) Chloroethane	3.60	64	240217	9.372 ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1684073	9.172 ppbv	100
9) Propene	3.04	41	516274	9.805 ppbv	100
10) Heptane	8.25	43	1330527	8.923 ppbv	100
11) Trichlorofluoromethane	4.00	101	1955131	8.994 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1336016	8.801 ppbv	100
13) Ethanol	3.65	45	145742	8.564 ppbv	99
14) Bromoethene	3.79	108	541402	9.702 ppbv	99
15) Acetone	3.90	43	1265564	8.440 ppbv	100
16) 1,3-Butadiene	3.36	39	585774	9.810 ppbv	99
17) tert-Butyl alcohol	4.35	59	1150238	9.487 ppbv	99
18) 1,1-Dichloroethene	4.35	96	594351	9.277 ppbv	99
19) Isopropyl Alcohol	4.02	45	889539	9.201 ppbv	100
20) Methylene Chloride	4.41	84	506997	8.782 ppbv	94
21) Allyl Chloride	4.48	41	887354	9.488 ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	635519	9.677 ppbv	98
23) Vinyl Acetate	5.16	43	2121945	10.733 ppbv	99
24) 1,1-Dichloroethane	5.09	63	1421518	9.459 ppbv	99
25) Ethyl Acetate	5.77	43	2341605	8.890 ppbv	100
26) Hexane	5.78	57	1018813	8.997 ppbv	98
27) Carbon Disulfide	4.62	76	1505477	9.691 ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1878017	10.173 ppbv	100
29) Chloroform	5.85	83	1713606	8.215 ppbv	98
30) Cyclohexane	7.25	84	892288	9.373 ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1102511	9.819 ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1814799	8.714 ppbv	99
34) 2-Butanone	5.33	43	1622721	10.145 ppbv	100
35) Carbon Tetrachloride	7.13	117	1927151	9.323 ppbv	98
36) Benzene	7.01	78	2190389	9.331 ppbv	98
37) 1,2-Dichloroethane	6.42	62	1342170	8.863 ppbv	100
38) Trichloroethene	7.96	130	871014	9.999 ppbv	98
39) 1,2-Dichloropropane	7.74	63	801039	9.153 ppbv	97
40) 1,4-Dioxane	7.96	88	324679	8.868 ppbv	# 98
41) Tetrahydrofuran	6.15	42	861165	9.609 ppbv	100
42) Bromodichloromethane	7.92	83	1909892	9.213 ppbv	97
43) Methyl Methacrylate	8.14	69	877139	10.153 ppbv	100

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44) 2,2,4-Trimethylpentane	7.99	57	3587962	9.044	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1204992	11.002	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	1341078	10.457	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	911056	9.163	ppbv	97
48) Dibromochloromethane	10.45	129	1692585	9.825	ppbv	100
49) Bromoform	13.20	173	1489899	10.278	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2332857	9.482	ppbv	100
51) 2-Hexanone	10.27	43	1980689	10.315	ppbv #	100
52) Tetrachloroethene	11.37	164	831663	10.078	ppbv	99
53) Toluene	9.95	91	2575701	10.173	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1439686	9.488	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.28	131	1124807	8.841	ppbv	97
57) Chlorobenzene	12.30	112	1973589	8.721	ppbv	99
58) Ethyl Benzene	12.87	91	3531380	9.700	ppbv	99
59) m/p-Xylene	13.15	91	5875499m	18.462	ppbv	
60) o-Xylene	13.85	91	2936943	9.154	ppbv	99
61) Styrene	13.69	104	2249268	10.413	ppbv	100
62) Isopropylbenzene	14.83	105	4009695	9.281	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2019991	8.658	ppbv	100
64) n-propylbenzene	15.72	120	1033974	9.252	ppbv	99
65) tert-Butylbenzene	16.91	119	3552826	9.007	ppbv	99
66) Benzyl Chloride	17.16	91	2078513	11.063	ppbv	99
67) sec-Butylbenzene	17.46	105	4984278	9.027	ppbv	100
69) p-Isopropyltoluene	17.82	119	4188675	9.179	ppbv	100
70) n-Butylbenzene	18.72	91	4391622	8.974	ppbv	99
71) 2-Chlorotoluene	15.62	91	3049127	9.512	ppbv	100
72) 4-Ethyltoluene	16.00	105	3479987	9.487	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3305552	9.236	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3413587	8.764	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1991601	8.344	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2003208	8.830	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1895201	8.450	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1451506	8.560	ppbv	100
79) Naphthalene	22.41	128	3014040	8.331	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1133245	8.244	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1650599	7.791	ppbv	99

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

