

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033897.D
 Acq On : 7 Jun 2019 20:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:19:05 AM

Quant Time: Jun 08 04:44:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	985042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2234807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2356938m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1947790	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1274646	7.975	ppbv 100
3) Chlorodifluoromethane	3.01	51	1025011	8.839	ppbv 100
4) Chloromethane	3.16	50	581188	8.787	ppbv 100
5) Vinyl Chloride	3.28	62	591386	9.636	ppbv 97
6) Bromomethane	3.51	94	373417	9.158	ppbv 93
7) Chloroethane	3.59	64	222673	9.174	ppbv 99
8) Dichlorotetrafluoroethane	3.21	85	1570459	9.194	ppbv 99
9) Propene	3.03	41	414280	9.548	ppbv 99
10) Heptane	8.24	43	1235344	11.264	ppbv 99
11) Trichlorofluoromethane	3.99	101	1907694	9.250	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1392185	9.988	ppbv 99
13) Ethanol	3.64	45	101426	7.184	ppbv 99
14) Bromoethene	3.78	108	505894	9.740	ppbv 100
15) Acetone	3.89	43	1180403	8.216	ppbv 98
16) 1,3-Butadiene	3.35	39	533144	9.750	ppbv 99
17) tert-Butyl alcohol	4.35	59	1222699	10.887	ppbv 100
18) 1,1-Dichloroethene	4.35	96	606632	10.304	ppbv 94
19) Isopropyl Alcohol	4.01	45	856817	10.440	ppbv 100
20) Methylene Chloride	4.40	84	515418	9.200	ppbv 98
21) Allyl Chloride	4.47	41	873132	10.699	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	629504	10.144	ppbv 97
23) Vinyl Acetate	5.15	43	1773442	10.620	ppbv 99
24) 1,1-Dichloroethane	5.08	63	1301118	10.018	ppbv 99
25) Ethyl Acetate	5.76	43	2227672	10.182	ppbv 100
26) Hexane	5.77	57	970316	9.741	ppbv 99
27) Carbon Disulfide	4.61	76	1545520	11.167	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1608406	10.677	ppbv 100
29) Chloroform	5.84	83	1714368	10.048	ppbv 96
30) Cyclohexane	7.24	84	788794	11.207	ppbv 98
31) cis-1,2-Dichloroethene	5.63	61	985758	11.285	ppbv 99
32) 1,1,1-Trichloroethane	6.61	97	1761819	10.705	ppbv 99
34) 2-Butanone	5.32	43	1410116	11.185	ppbv 100
35) Carbon Tetrachloride	7.12	117	1904072	11.028	ppbv 96
36) Benzene	6.99	78	1904484	11.156	ppbv 100
37) 1,2-Dichloroethane	6.40	62	1348956	10.685	ppbv 99
38) Trichloroethene	7.95	130	820365	12.342	ppbv 98
39) 1,2-Dichloropropane	7.73	63	722784	10.970	ppbv 94
40) 1,4-Dioxane	7.94	88	335524	12.486	ppbv 96
41) Tetrahydrofuran	6.14	42	772321	12.069	ppbv 98
42) Bromodichloromethane	7.91	83	1873931	11.107	ppbv 100
43) Methyl Methacrylate	8.13	69	785894	12.309	ppbv 96

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44) 2,2,4-Trimethylpentane	7.98	57	3382250	11.141	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1105934	13.201	ppbv	98
46) cis-1,3-Dichloropropene	8.82	75	1243694	12.958	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	844132	10.747	ppbv	95
48) Dibromochloromethane	10.44	129	1627793	11.532	ppbv	98
49) Bromoform	13.19	173	1458329	11.703	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2195459	11.678	ppbv	100
51) 2-Hexanone	10.26	43	1785893	12.165	ppbv #	99
52) Tetrachloroethene	11.36	164	788937	13.134	ppbv	97
53) Toluene	9.93	91	2321048	12.286	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1347225	11.378	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1076870	10.459	ppbv	99
57) Chlorobenzene	12.29	112	1833671	10.388	ppbv	99
58) Ethyl Benzene	12.85	91	3249131	12.227	ppbv	96
59) m/p-Xylene	13.14	91	5517576m	22.833	ppbv	
60) o-Xylene	13.84	91	2809519	11.261	ppbv	100
61) Styrene	13.67	104	2019187	12.506	ppbv	99
62) Isopropylbenzene	14.81	105	3755372	11.168	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1982981	10.559	ppbv	99
64) n-propylbenzene	15.71	120	972098	11.289	ppbv	100
65) tert-Butylbenzene	16.90	119	3539733	11.376	ppbv	100
66) Benzyl Chloride	17.15	91	1883314	11.944	ppbv	99
67) sec-Butylbenzene	17.44	105	4885187	11.191	ppbv	100
69) p-Isopropyltoluene	17.80	119	4030265	11.097	ppbv	100
70) n-Butylbenzene	18.70	91	4175561	10.497	ppbv	100
71) 2-Chlorotoluene	15.61	91	2870650	11.588	ppbv	99
72) 4-Ethyltoluene	15.99	105	3294706	11.604	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3187043	11.396	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	3391755	10.522	ppbv	99
75) 1,3-Dichlorobenzene	17.15	146	1937310	9.597	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	1898201	10.241	ppbv	100
77) 1,2-Dichlorobenzene	17.97	146	1858779	9.978	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1148395	7.893	ppbv	99
79) Naphthalene	22.40	128	2603074	10.103	ppbv	98
80) Naphthalene, 2-methyl-	25.10	142	895730	8.713	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1505063	9.253	ppbv	100

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

