

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080519\
 Data File : VL034095.D
 Acq On : 5 Aug 2019 21:07
 Operator : SY/AP
 Sample : VL0805ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 12:41:52 PM

Quant Time: Aug 06 15:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 06 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1130215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2325670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2367761m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2012981	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1331486	9.572	ppbv 100
3) Chlorodifluoromethane	2.99	51	1067052	8.164	ppbv 100
4) Chloromethane	3.14	50	693948	8.236	ppbv 97
5) Vinyl Chloride	3.26	62	619170	8.340	ppbv 99
6) Bromomethane	3.48	94	335022	8.733	ppbv 97
7) Chloroethane	3.57	64	228498	8.215	ppbv 94
8) Dichlorotetrafluoroethane	3.19	85	1294677	8.069	ppbv 96
9) Propene	3.01	41	632982	8.215	ppbv 98
10) Heptane	8.19	43	1612015	8.088	ppbv 99
11) Trichlorofluoromethane	3.97	101	1332943	8.083	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	940084	8.079	ppbv 98
13) Ethanol	3.62	45	113582	5.231	ppbv 98
14) Bromoethene	3.75	108	417955	8.043	ppbv 95
15) Acetone	3.87	43	1144466	7.086	ppbv 100
16) 1,3-Butadiene	3.33	39	643607	8.195	ppbv 100
17) tert-Butyl alcohol	4.32	59	1200245	7.964	ppbv 100
18) 1,1-Dichloroethene	4.31	96	443817	8.064	ppbv 97
19) Isopropyl Alcohol	3.99	45	927022	7.372	ppbv 98
20) Methylene Chloride	4.37	84	385650	7.963	ppbv 93
21) Allyl Chloride	4.44	41	909962	8.140	ppbv 99
22) trans-1,2-Dichloroethene	4.92	96	439007	8.209	ppbv 99
23) Vinyl Acetate	5.11	43	2081854	7.774	ppbv 99
24) 1,1-Dichloroethane	5.05	63	1294520	8.125	ppbv 100
25) Ethyl Acetate	5.72	43	2488888	7.835	ppbv 100
26) Hexane	5.73	57	1072301	7.964	ppbv 99
27) Carbon Disulfide	4.58	76	1184857	8.346	ppbv 99
28) Methyl tert-Butyl Ether	5.07	73	1812846	8.051	ppbv 99
29) Chloroform	5.81	83	1510094	8.250	ppbv 97
30) Cyclohexane	7.20	84	898861	8.451	ppbv 98
31) cis-1,2-Dichloroethene	5.60	61	1103871	8.300	ppbv 98
32) 1,1,1-Trichloroethane	6.57	97	1467298	8.100	ppbv 100
34) 2-Butanone	5.29	43	1726358	7.984	ppbv 98
35) Carbon Tetrachloride	7.08	117	1408901	7.893	ppbv 98
36) Benzene	6.96	78	2146667	8.121	ppbv 97
37) 1,2-Dichloroethane	6.37	62	1187546	8.350	ppbv 99
38) Trichloroethene	7.91	130	734279	7.173	ppbv 98
39) 1,2-Dichloropropane	7.69	63	889910	8.344	ppbv 96
40) 1,4-Dioxane	7.90	88	311364	7.737	ppbv # 98
41) Tetrahydrofuran	6.10	42	1103130	8.293	ppbv 99
42) Bromodichloromethane	7.87	83	1667193	8.362	ppbv 100
43) Methyl Methacrylate	8.09	69	906956	8.365	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3666259	7.747	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	1169811	8.511	ppbv	100
46) cis-1,3-Dichloropropene	8.79	75	1344747	8.478	ppbv	99
47) 1,1,2-Trichloroethane	9.57	97	851353	8.349	ppbv	97
48) Dibromochloromethane	10.40	129	1339572	8.193	ppbv	100
49) Bromoform	13.15	173	1206263	8.251	ppbv	99
50) 4-Methyl-2-Pentanone	8.82	43	2609939	7.931	ppbv	100
51) 2-Hexanone	10.22	43	2240031	8.100	ppbv #	99
52) Tetrachloroethene	11.32	164	739424	7.244	ppbv	94
53) Toluene	9.89	91	2463311	8.075	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1272922	8.240	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.22	131	894734	8.265	ppbv	95
57) Chlorobenzene	12.25	112	1704947	7.996	ppbv	97
58) Ethyl Benzene	12.81	91	3237014	8.130	ppbv	100
59) m/p-Xylene	13.09	91	5177778m	16.201	ppbv	
60) o-Xylene	13.80	91	2559895	8.015	ppbv	100
61) Styrene	13.63	104	2092343	8.254	ppbv	99
62) Isopropylbenzene	14.77	105	3413661	7.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.78	83	1814907	7.867	ppbv	100
64) n-propylbenzene	15.67	120	932144	8.227	ppbv	97
65) tert-Butylbenzene	16.85	119	2966045	7.767	ppbv	98
66) Benzyl Chloride	17.10	91	1774165	8.393	ppbv	98
67) sec-Butylbenzene	17.41	105	4187362	7.770	ppbv	99
69) p-Isopropyltoluene	17.76	119	3499157	7.871	ppbv	99
70) n-Butylbenzene	18.66	91	3879174	8.090	ppbv	98
71) 2-Chlorotoluene	15.56	91	2774320	8.048	ppbv	99
72) 4-Ethyltoluene	15.95	105	3042889	8.095	ppbv	99
73) 1,3,5-Trimethylbenzene	16.10	105	2931417	8.107	ppbv	98
74) 1,2,4-Trimethylbenzene	16.87	105	2943377	7.824	ppbv	95
75) 1,3-Dichlorobenzene	17.11	146	1697451	8.056	ppbv	99
76) 1,4-Dichlorobenzene	17.25	146	1746273	8.111	ppbv	99
77) 1,2-Dichlorobenzene	17.93	146	1691598	8.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.48	225	1170527	7.109	ppbv	99
79) Naphthalene	22.34	128	2983492	7.637	ppbv	98
80) Naphthalene, 2-methyl-	25.07	142	690287	5.634	ppbv	99
81) 1,2,4-Trichlorobenzene	22.06	180	1698861	7.833	ppbv	100

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

