

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033883.D
 Acq On : 7 Jun 2019 8:31
 Operator : SY/AP
 Sample : VL0607ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0607ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:56 AM

Quant Time: Jun 07 09:34:47 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 06:23:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1017390	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2357885	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2456104m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1985711	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1280473	7.756	ppbv 98
3) Chlorodifluoromethane	3.00	51	1047032	8.742	ppbv 100
4) Chloromethane	3.16	50	597418	8.745	ppbv 99
5) Vinyl Chloride	3.28	62	610161	9.626	ppbv 99
6) Bromomethane	3.51	94	387950	9.212	ppbv 93
7) Chloroethane	3.59	64	231972	9.253	ppbv 97
8) Dichlorotetrafluoroethane	3.21	85	1595989	9.046	ppbv 100
9) Propene	3.03	41	431352	9.625	ppbv 99
10) Heptane	8.24	43	1281295	11.311	ppbv 100
11) Trichlorofluoromethane	3.99	101	2127220	9.986	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1416609	9.840	ppbv 100
13) Ethanol	3.64	45	109223	6.974	ppbv 98
14) Bromoethene	3.78	108	516661	9.631	ppbv 98
15) Acetone	3.89	43	1321809	8.908	ppbv 100
16) 1,3-Butadiene	3.35	39	546178	9.671	ppbv 100
17) tert-Butyl alcohol	4.35	59	1298093	11.191	ppbv 100
18) 1,1-Dichloroethene	4.34	96	616653	10.141	ppbv 99
19) Isopropyl Alcohol	4.01	45	980131	11.563	ppbv 99
20) Methylene Chloride	4.40	84	521083	9.005	ppbv 99
21) Allyl Chloride	4.47	41	908758	10.781	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	642768	10.028	ppbv 97
23) Vinyl Acetate	5.15	43	1894027	10.982	ppbv 99
24) 1,1-Dichloroethane	5.08	63	1346626	10.039	ppbv 98
25) Ethyl Acetate	5.76	43	2314258	10.241	ppbv 100
26) Hexane	5.77	57	1019250	9.907	ppbv 99
27) Carbon Disulfide	4.61	76	1560927	10.920	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1782973	11.460	ppbv 100
29) Chloroform	5.84	83	1772591	10.059	ppbv 97
30) Cyclohexane	7.24	84	844091	11.611	ppbv 100
31) cis-1,2-Dichloroethene	5.63	61	1035346	11.475	ppbv 99
32) 1,1,1-Trichloroethane	6.61	97	1839215	10.820	ppbv 100
34) 2-Butanone	5.32	43	1496695	11.252	ppbv 99
35) Carbon Tetrachloride	7.12	117	1954500	10.729	ppbv 97
36) Benzene	6.99	78	2066406	11.473	ppbv 99
37) 1,2-Dichloroethane	6.40	62	1371381	10.295	ppbv 99
38) Trichloroethene	7.95	130	862946	12.305	ppbv 95
39) 1,2-Dichloropropane	7.72	63	765154	11.007	ppbv 97
40) 1,4-Dioxane	7.94	88	341805	12.055	ppbv 99
41) Tetrahydrofuran	6.14	42	805155	11.925	ppbv 99
42) Bromodichloromethane	7.91	83	1905693	10.705	ppbv 97
43) Methyl Methacrylate	8.13	69	840295	12.474	ppbv 99

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44) 2,2,4-Trimethylpentane	7.98	57	3540301	11.053	ppbv	100
45) t-1,3-Dichloropropene	9.40	75	1148355	12.992	ppbv	98
46) cis-1,3-Dichloropropene	8.82	75	1288123	12.720	ppbv	99
47) 1,1,2-Trichloroethane	9.60	97	884113	10.669	ppbv	95
48) Dibromochloromethane	10.44	129	1675852	11.253	ppbv	99
49) Bromoform	13.19	173	1507289	11.465	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2289654	11.543	ppbv	99
51) 2-Hexanone	10.26	43	1864665	12.038	ppbv #	100
52) Tetrachloroethene	11.36	164	818921	12.921	ppbv	96
53) Toluene	9.93	91	2454472	12.314	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1419178	11.361	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	1126465	10.499	ppbv	97
57) Chlorobenzene	12.29	112	1927491	10.478	ppbv	97
58) Ethyl Benzene	12.85	91	3421615	12.356	ppbv	98
59) m/p-Xylene	13.14	91	5773974m	22.929	ppbv	
60) o-Xylene	13.84	91	2939743	11.307	ppbv	100
61) Styrene	13.67	104	2131460	12.668	ppbv	99
62) Isopropylbenzene	14.81	105	3957886	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.82	83	2066050	10.557	ppbv	100
64) n-propylbenzene	15.71	120	1034494	11.528	ppbv	97
65) tert-Butylbenzene	16.90	119	3729748	11.503	ppbv	100
66) Benzyl Chloride	17.15	91	1988614	12.102	ppbv	100
67) sec-Butylbenzene	17.44	105	5227705	11.493	ppbv	100
69) p-Isopropyltoluene	17.80	119	4342316	11.473	ppbv	100
70) n-Butylbenzene	18.70	91	4533712	10.937	ppbv	100
71) 2-Chlorotoluene	15.60	91	3010136	11.660	ppbv	99
72) 4-Ethyltoluene	15.99	105	3535852	11.951	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	3367536	11.555	ppbv	97
74) 1,2,4-Trimethylbenzene	16.91	105	3635968	10.825	ppbv	98
75) 1,3-Dichlorobenzene	17.15	146	2114051	10.050	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2059018	10.660	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1981911	10.210	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1191873	7.861	ppbv	99
79) Naphthalene	22.40	128	2620695	9.761	ppbv	100
80) Naphthalene, 2-methyl-	25.10	142	766056	7.151	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1562600	9.219	ppbv	100

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

