

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035211.D
 Acq On : 21 Jul 2020 12:23
 Operator : SY/AP
 Sample : VL0721ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0721ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 3:00:14 PM

Quant Time: Jul 22 08:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1257928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2958373	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2977089m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2305983	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1373526	7.791	ppbv 99
3) Chlorodifluoromethane	2.94	51	1241532	8.935	ppbv 100
4) Chloromethane	3.09	50	709466	9.059	ppbv 97
5) Vinyl Chloride	3.21	62	720085	8.605	ppbv 97
6) Bromomethane	3.43	94	454209	9.563	ppbv 97
7) Chloroethane	3.51	64	280452	9.480	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1723728	8.921	ppbv 99
9) Propene	2.96	41	498191	9.487	ppbv 100
10) Heptane	8.13	43	1427843	10.592	ppbv 100
11) Trichlorofluoromethane	3.91	101	1830179	9.193	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1291630	9.238	ppbv 100
13) Ethanol	3.56	45	128860	7.708	ppbv 91
14) Bromoethene	3.70	108	542087	9.421	ppbv 97
15) Acetone	3.81	43	1383563	8.124	ppbv 99
16) 1,3-Butadiene	3.28	39	643376	9.842	ppbv 99
17) tert-Butyl alcohol	4.26	59	1527355	10.136	ppbv 100
18) 1,1-Dichloroethene	4.25	96	589893	9.529	ppbv 97
19) Isopropyl Alcohol	3.93	45	997660	9.710	ppbv 99
20) Methylene Chloride	4.31	84	557236	7.520	ppbv 98
21) Allyl Chloride	4.38	41	952399	9.608	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	589189	9.533	ppbv 98
23) Vinyl Acetate	5.05	43	1792366	9.723	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1464517	9.251	ppbv 99
25) Ethyl Acetate	5.66	43	2514009	9.512	ppbv 99
26) Hexane	5.67	57	1143073	9.809	ppbv 99
27) Carbon Disulfide	4.52	76	1583758	9.733	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1748510	9.849	ppbv 100
29) Chloroform	5.74	83	1827250	9.353	ppbv 97
30) Cyclohexane	7.13	84	938328	10.883	ppbv 100
31) cis-1,2-Dichloroethene	5.53	61	1097411	9.956	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	1812571	9.258	ppbv 98
34) 2-Butanone	5.22	43	1538759	9.745	ppbv 99
35) Carbon Tetrachloride	7.01	117	1868418	9.729	ppbv 98
36) Benzene	6.89	78	2210818	10.325	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1398168	9.730	ppbv 100
38) Trichloroethene	7.84	130	888392	10.183	ppbv 98
39) 1,2-Dichloropropane	7.62	63	865007	10.159	ppbv 93
40) 1,4-Dioxane	7.83	88	320904m	9.467	ppbv
41) Tetrahydrofuran	6.03	42	851265	10.774	ppbv 98
42) Bromodichloromethane	7.80	83	1949865	10.162	ppbv 99
43) Methyl Methacrylate	8.02	69	1020116	11.270	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3875398	10.486	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1147022	12.062	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	1341036	11.896	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	945745	10.147	ppbv	97
48) Dibromochloromethane	10.32	129	1617361	10.665	ppbv	97
49) Bromoform	13.07	173	1432398	10.798	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2391945	10.555	ppbv	100
51) 2-Hexanone	10.15	43	1924442	11.137	ppbv #	99
52) Tetrachloroethene	11.24	164	795925	9.952	ppbv	97
53) Toluene	9.82	91	2612962	11.563	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1456206	10.528	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1259458	9.549	ppbv	98
57) Chlorobenzene	12.17	112	2061792	9.397	ppbv	98
58) Ethyl Benzene	12.73	91	3565130	10.834	ppbv	99
59) m/p-Xylene	13.02	91	5918469m	20.181	ppbv	
60) o-Xylene	13.72	91	3021861	10.328	ppbv	99
61) Styrene	13.56	104	2093627	11.579	ppbv	100
62) Isopropylbenzene	14.70	105	4417391	10.185	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2151648	8.800	ppbv	99
64) n-propylbenzene	15.60	120	1169514	10.439	ppbv	99
65) tert-Butylbenzene	16.78	119	3929880	10.089	ppbv	99
66) Benzyl Chloride	17.03	91	1576758	11.362	ppbv	100
67) sec-Butylbenzene	17.33	105	5591310	9.846	ppbv	100
69) p-Isopropyltoluene	17.69	119	4638806	10.422	ppbv	99
70) n-Butylbenzene	18.59	91	4785334	10.140	ppbv	100
71) 2-Chlorotoluene	15.49	91	3402235	10.367	ppbv	100
72) 4-Ethyltoluene	15.87	105	3527301	10.699	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3295594	10.366	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3450012	9.820	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	1936861	8.705	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1967559	9.515	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1916937	9.569	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1392413	8.796	ppbv	99
79) Naphthalene	22.26	128	2896797	12.742	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1065567	19.842	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1601226	11.117	ppbv	100

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

