

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035123.D
 Acq On : 30 Jun 2020 13:36
 Operator : SY/AP
 Sample : VL0630ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0630ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:28 PM

Quant Time: Jul 01 03:16:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1283746	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3070438	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	3236301m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2501529	9.30	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1565626	9.032	ppbv 98
3) Chlorodifluoromethane	2.95	51	1267411	8.937	ppbv 97
4) Chloromethane	3.11	50	727663	9.154	ppbv 99
5) Vinyl Chloride	3.22	62	731577	9.677	ppbv 96
6) Bromomethane	3.44	94	452635	9.642	ppbv 89
7) Chloroethane	3.53	64	274867	9.642	ppbv 90
8) Dichlorotetrafluoroethane	3.15	85	1708989	9.195	ppbv 99
9) Propene	2.97	41	521197	9.281	ppbv 99
10) Heptane	8.14	43	1468920	10.093	ppbv 100
11) Trichlorofluoromethane	3.92	101	1816941	9.811	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1262645	9.860	ppbv 99
13) Ethanol	3.57	45	145479	6.858	ppbv 97
14) Bromoethene	3.71	108	553985	10.036	ppbv 98
15) Acetone	3.82	43	1369941	8.827	ppbv 98
16) 1,3-Butadiene	3.29	39	657637	9.661	ppbv 100
17) tert-Butyl alcohol	4.27	59	1485657	10.801	ppbv 100
18) 1,1-Dichloroethene	4.27	96	587135	10.166	ppbv 99
19) Isopropyl Alcohol	3.94	45	986954	9.793	ppbv 100
20) Methylene Chloride	4.32	84	531453	8.460	ppbv 94
21) Allyl Chloride	4.39	41	969380	10.509	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	584922	10.825	ppbv 97
23) Vinyl Acetate	5.06	43	1887637	10.020	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1495252	9.414	ppbv 99
25) Ethyl Acetate	5.67	43	2574240	9.190	ppbv 100
26) Hexane	5.68	57	1168897	9.256	ppbv 98
27) Carbon Disulfide	4.53	76	1568150	11.999	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1792283	10.101	ppbv 99
29) Chloroform	5.75	83	1829782	9.259	ppbv 97
30) Cyclohexane	7.14	84	956313	10.551	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1150763	9.885	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	1789780	9.764	ppbv 100
34) 2-Butanone	5.23	43	1600243	9.075	ppbv 99
35) Carbon Tetrachloride	7.02	117	1853613	10.066	ppbv 97
36) Benzene	6.90	78	2252261	9.473	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1446985	9.630	ppbv 99
38) Trichloroethene	7.85	130	884731	9.580	ppbv 94
39) 1,2-Dichloropropane	7.63	63	891550	9.588	ppbv 97
40) 1,4-Dioxane	7.84	88	343141	9.355	ppbv # 94
41) Tetrahydrofuran	6.05	42	900086	9.994	ppbv 99
42) Bromodichloromethane	7.81	83	1938256	9.960	ppbv 93
43) Methyl Methacrylate	8.03	69	1039988	10.334	ppbv 100

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44) 2,2,4-Trimethylpentane	7.88	57	3951128	9.521	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1177843	12.026	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1360123	11.179	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	957651	9.436	ppbv	98
48) Dibromochloromethane	10.34	129	1587581	10.493	ppbv	99
49) Bromoform	13.09	173	1327751	10.330	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462030	9.828	ppbv	99
51) 2-Hexanone	10.16	43	1963503	10.008	ppbv #	100
52) Tetrachloroethene	11.26	164	796669	9.509	ppbv	96
53) Toluene	9.83	91	2637905	10.402	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1428447	9.506	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1194868	9.022	ppbv #	56
57) Chlorobenzene	12.19	112	1969483	8.270	ppbv	99
58) Ethyl Benzene	12.75	91	3481764	9.575	ppbv	98
59) m/p-Xylene	13.01	91	5753108m	17.853	ppbv	
60) o-Xylene	13.73	91	2875650	8.963	ppbv	99
61) Styrene	13.57	104	2022623	10.019	ppbv	100
62) Isopropylbenzene	14.71	105	4208067	8.790	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1991897	7.666	ppbv	100
64) n-propylbenzene	15.61	120	1108182	9.071	ppbv	99
65) tert-Butylbenzene	16.79	119	3661820	8.933	ppbv	99
66) Benzyl Chloride	17.04	91	1432093	11.309	ppbv	99
67) sec-Butylbenzene	17.34	105	5229193	8.900	ppbv	100
69) p-Isopropyltoluene	17.70	119	4343767	9.268	ppbv	99
70) n-Butylbenzene	18.60	91	4670518	9.251	ppbv	99
71) 2-Chlorotoluene	15.50	91	3220939	8.901	ppbv	99
72) 4-Ethyltoluene	15.89	105	3311371	9.278	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3127139	9.269	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	3298566	8.760	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1908721	8.494	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1895859	8.820	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1853087	9.013	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1710722	9.256	ppbv	99
79) Naphthalene	22.27	128	3884704	11.768	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1459168	11.560	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2075613	10.900	ppbv	100

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

