

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035296.D
 Acq On : 31 Jul 2020 2:21
 Operator : SY/AP
 Sample : VL0731ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:36:34 PM

Quant Time: Jul 31 06:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 2
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1193691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2895350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2865271	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	2249506	9.83	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1410131	9.891 ppbv	99
3) Chlorodifluoromethane	2.95	51	1237359	9.364 ppbv	99
4) Chloromethane	3.11	50	700357	9.419 ppbv	100
5) Vinyl Chloride	3.23	62	723581	9.342 ppbv	96
6) Bromomethane	3.44	94	460344	9.622 ppbv	97
7) Chloroethane	3.53	64	277370	9.921 ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1806702	9.988 ppbv	99
9) Propene	2.98	41	465643	10.110 ppbv	97
10) Heptane	8.14	43	1390846	11.156 ppbv	99
11) Trichlorofluoromethane	3.93	101	1940505	10.119 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1363471	10.026 ppbv	100
13) Ethanol	3.58	45	110156	5.876 ppbv	96
14) Bromoethene	3.71	108	577457	10.404 ppbv	100
15) Acetone	3.83	43	1421988	8.931 ppbv	99
16) 1,3-Butadiene	3.29	39	633035	10.192 ppbv	99
17) tert-Butyl alcohol	4.28	59	1538546	10.012 ppbv	99
18) 1,1-Dichloroethene	4.27	96	626914	10.382 ppbv	93
19) Isopropyl Alcohol	3.95	45	951333	9.059 ppbv	# 98
20) Methylene Chloride	4.33	84	584243	8.061 ppbv	96
21) Allyl Chloride	4.40	41	968111	10.676 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	614075	10.583 ppbv	99
23) Vinyl Acetate	5.07	43	1701443	10.635 ppbv	97
24) 1,1-Dichloroethane	5.01	63	1477041	9.899 ppbv	100
25) Ethyl Acetate	5.68	43	2513049	10.107 ppbv	99
26) Hexane	5.69	57	1143211	10.192 ppbv	99
27) Carbon Disulfide	4.54	76	1624708	10.721 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1739187	10.846 ppbv	98
29) Chloroform	5.76	83	1880592	9.996 ppbv	98
30) Cyclohexane	7.15	84	921847	11.498 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1089751	11.145 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1850714	9.611 ppbv	100
34) 2-Butanone	5.24	43	1463282	9.933 ppbv	99
35) Carbon Tetrachloride	7.03	117	1913096	9.868 ppbv	98
36) Benzene	6.91	78	2177399	10.821 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1438953	10.230 ppbv	100
38) Trichloroethene	7.86	130	926001	11.104 ppbv	96
39) 1,2-Dichloropropane	7.63	63	853373	10.630 ppbv	99
40) 1,4-Dioxane	7.85	88	338051m	10.693 ppbv	
41) Tetrahydrofuran	6.05	42	792681	10.978 ppbv	99
42) Bromodichloromethane	7.82	83	2002600	10.667 ppbv	98
43) Methyl Methacrylate	8.04	69	1011934	11.607 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3880309	10.945	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1112787	12.668	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1319316	12.328	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	976800	10.300	ppbv	95
48) Dibromochloromethane	10.34	129	1680795	11.253	ppbv	98
49) Bromoform	13.09	173	1517938	11.305	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2369998	11.101	ppbv	99
51) 2-Hexanone	10.17	43	1904673	11.765	ppbv #	99
52) Tetrachloroethene	11.27	164	841298m	10.958	ppbv	
53) Toluene	9.84	91	2629925	12.298	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1479133	10.787	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1309119	9.937	ppbv #	92
57) Chlorobenzene	12.19	112	2163217	10.034	ppbv	97
58) Ethyl Benzene	12.75	91	3632260	11.970	ppbv	100
59) m/p-Xylene	13.04	91	6213866m	21.996	ppbv	
60) o-Xylene	13.74	91	3157405	11.201	ppbv	99
61) Styrene	13.57	104	2158252	12.615	ppbv	99
62) Isopropylbenzene	14.72	105	4606754	10.981	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2290128	9.442	ppbv	99
64) n-propylbenzene	15.62	120	1249878	11.205	ppbv	99
65) tert-Butylbenzene	16.80	119	4162902	10.953	ppbv	100
66) Benzyl Chloride	17.05	91	1593556	10.705	ppbv	99
67) sec-Butylbenzene	17.35	105	5918457	10.658	ppbv	100
69) p-Isopropyltoluene	17.71	119	4956533	10.941	ppbv	99
70) n-Butylbenzene	18.61	91	5190966	10.592	ppbv	99
71) 2-Chlorotoluene	15.51	91	3605975	11.399	ppbv	99
72) 4-Ethyltoluene	15.90	105	3710630	11.696	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3515495	11.363	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3756521	10.430	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2187599	9.407	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	2162433	10.280	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2079159	9.982	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1493723	8.761	ppbv	99
79) Naphthalene	22.28	128	2929536	10.228	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	862911	9.310	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1693825	9.716	ppbv	100

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

