

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035860.D
 Acq On : 5 Nov 2020 13:57
 Operator : SY/AP
 Sample : VL1105ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1105ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 1:38:36 PM

Quant Time: Nov 08 14:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	950511	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3662292	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3581376m	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2543175	9.99	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1719574	9.609	ppbv	99
3) Chlorodifluoromethane	2.97	51	1169971	10.279	ppbv	98
4) Chloromethane	3.12	50	556751	10.068	ppbv	100
5) Vinyl Chloride	3.24	62	714844	10.141	ppbv	96
6) Bromomethane	3.45	94	586144	10.339	ppbv	100
7) Chloroethane	3.54	64	260642	10.506	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2047515	9.997	ppbv	99
9) Propene	2.99	41	428767	10.292	ppbv	98
10) Heptane	8.10	43	1277112	11.098	ppbv	99
11) Trichlorofluoromethane	3.93	101	2488009	11.072	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1804131	10.784	ppbv	99
13) Ethanol	3.58	45	64553m	7.142	ppbv	
14) Bromoethene	3.72	108	764267	9.926	ppbv	99
15) Acetone	3.83	43	984902	9.692	ppbv	98
16) 1,3-Butadiene	3.30	39	463569	10.596	ppbv	97
17) tert-Butyl alcohol	4.27	59	1136083	8.436	ppbv	100
18) 1,1-Dichloroethene	4.27	96	810906	10.557	ppbv	95
19) Isopropyl Alcohol	3.94	45	498266	7.979	ppbv #	96
20) Methylene Chloride	4.32	84	671530	9.387	ppbv	99
21) Allyl Chloride	4.39	41	596878	10.862	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	827319	10.624	ppbv	98
23) Vinyl Acetate	5.05	43	1365410	9.586	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1392371	10.260	ppbv	100
25) Ethyl Acetate	5.65	43	2160151	10.791	ppbv	99
26) Hexane	5.66	57	1129011	10.226	ppbv	97
27) Carbon Disulfide	4.53	76	1737195	10.501	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1918836	9.678	ppbv	100
29) Chloroform	5.73	83	2262759	10.428	ppbv	97
30) Cyclohexane	7.11	84	1195986	9.946	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1188841	10.467	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2206393	9.744	ppbv	99
34) 2-Butanone	5.22	43	1360204	11.444	ppbv	97
35) Carbon Tetrachloride	7.00	117	2217603	11.333	ppbv	97
36) Benzene	6.87	78	2829174	10.391	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1425197	11.555	ppbv	98
38) Trichloroethene	7.81	130	1316164	9.897	ppbv	97
39) 1,2-Dichloropropane	7.59	63	986579	10.763	ppbv	98
40) 1,4-Dioxane	7.81	88	367209	8.452	ppbv #	1
41) Tetrahydrofuran	6.02	42	788202	11.673	ppbv	99
42) Bromodichloromethane	7.77	83	2304984	11.075	ppbv	99
43) Methyl Methacrylate	7.99	69	1169991	11.266	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3919052	10.877	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1233260	11.202	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1526254	10.947	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1320452	10.572	ppbv	98
48) Dibromochloromethane	10.28	129	2163141	11.336	ppbv	100
49) Bromoform	13.02	173	1829483	11.362	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2143734	11.795	ppbv	99
51) 2-Hexanone	10.11	43	1737525	11.901	ppbv	98
52) Tetrachloroethene	11.20	164	1235970	9.582	ppbv	99
53) Toluene	9.79	91	3461528	10.537	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2009792	10.581	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1688597	10.505	ppbv #	93
57) Chlorobenzene	12.13	112	2789453	9.796	ppbv	99
58) Ethyl Benzene	12.69	91	4484153	10.280	ppbv	97
59) m/p-Xylene	12.98	91	7632860m	20.683	ppbv	
60) o-Xylene	13.67	91	3712124	10.340	ppbv	99
61) Styrene	13.51	104	2782407	10.578	ppbv	99
62) Isopropylbenzene	14.65	105	5604416	9.932	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2624233	9.434	ppbv	99
64) n-propylbenzene	15.55	120	1624519	9.961	ppbv	95
65) tert-Butylbenzene	16.73	119	4983067	9.702	ppbv	100
66) Benzyl Chloride	16.97	91	1624909	9.572	ppbv	98
67) sec-Butylbenzene	17.28	105	6740181	9.738	ppbv	99
69) p-Isopropyltoluene	17.63	119	5578444	9.767	ppbv	99
70) n-Butylbenzene	18.53	91	5428139	9.869	ppbv	99
71) 2-Chlorotoluene	15.44	91	4182640	10.134	ppbv	98
72) 4-Ethyltoluene	15.82	105	4412309	10.134	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4042720	10.146	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4212124	9.866	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2613106	9.612	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2565642	9.783	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2530995	9.551	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1213840	9.817	ppbv	100
79) Naphthalene	22.17	128	2844100	9.556	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	316318	6.522	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1537941	9.249	ppbv	98

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

