

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035225.D
 Acq On : 23 Jul 2020 11:47
 Operator : SY/AP
 Sample : VL0723ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0723ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:30 PM

Quant Time: Jul 25 11:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 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	1341269	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3184128	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3162717m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2511095	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	1398269	7.439	ppbv	98
3) Chlorodifluoromethane	2.94	51	1409408	9.513	ppbv	100
4) Chloromethane	3.09	50	805676	9.649	ppbv	93
5) Vinyl Chloride	3.21	62	833268	9.338	ppbv	99
6) Bromomethane	3.43	94	521661	10.301	ppbv	97
7) Chloroethane	3.51	64	313462	9.937	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1911636	9.279	ppbv	99
9) Propene	2.96	41	564609	10.084	ppbv	99
10) Heptane	8.12	43	1618126	11.257	ppbv	99
11) Trichlorofluoromethane	3.91	101	2084217	9.819	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1467093	9.841	ppbv	99
13) Ethanol	3.56	45	147241	8.260	ppbv	92
14) Bromoethene	3.70	108	634470	10.341	ppbv	100
15) Acetone	3.81	43	1591785	8.766	ppbv	99
16) 1,3-Butadiene	3.28	39	729858	10.471	ppbv	98
17) tert-Butyl alcohol	4.26	59	1810711	11.270	ppbv	100
18) 1,1-Dichloroethene	4.25	96	675094	10.228	ppbv	98
19) Isopropyl Alcohol	3.93	45	1156959	10.561	ppbv	100
20) Methylene Chloride	4.31	84	646833	8.187	ppbv	98
21) Allyl Chloride	4.38	41	1074897	10.170	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	668011	10.137	ppbv	99
23) Vinyl Acetate	5.05	43	2053297	10.446	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1674687	9.921	ppbv	100
25) Ethyl Acetate	5.66	43	2874236	10.200	ppbv	99
26) Hexane	5.67	57	1307229	10.521	ppbv	99
27) Carbon Disulfide	4.52	76	1780539	10.262	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1980722	10.463	ppbv	99
29) Chloroform	5.74	83	2061683	9.897	ppbv	96
30) Cyclohexane	7.13	84	1060509	11.536	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1260164	10.723	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2045647	9.799	ppbv	99
34) 2-Butanone	5.22	43	1765539	10.388	ppbv	100
35) Carbon Tetrachloride	7.02	117	2121360	10.263	ppbv	97
36) Benzene	6.89	78	2518001	10.926	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1613971	10.436	ppbv	100
38) Trichloroethene	7.84	130	1050798	11.190	ppbv	98
39) 1,2-Dichloropropane	7.61	63	993610	10.842	ppbv	95
40) 1,4-Dioxane	7.83	88	385682	10.571	ppbv	# 1
41) Tetrahydrofuran	6.03	42	951582	11.190	ppbv	97
42) Bromodichloromethane	7.80	83	2233200	10.813	ppbv	96
43) Methyl Methacrylate	8.02	69	1161632	11.924	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4413330	11.095	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1314010	12.839	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1552687	12.797	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1101748	10.983	ppbv	99
48) Dibromochloromethane	10.32	129	1847952	11.322	ppbv	99
49) Bromoform	13.07	173	1641222	11.495	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2747922	11.266	ppbv	99
51) 2-Hexanone	10.14	43	2229409	11.987	ppbv	99
52) Tetrachloroethene	11.25	164	926419	10.763	ppbv	99
53) Toluene	9.82	91	2946608	12.115	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1649922	11.083	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1434983	10.241	ppbv	94
57) Chlorobenzene	12.17	112	2363331	10.139	ppbv	96
58) Ethyl Benzene	12.73	91	4012448	11.478	ppbv	98
59) m/p-Xylene	13.02	91	6807916m	21.851	ppbv	
60) o-Xylene	13.72	91	3430147	11.035	ppbv	100
61) Styrene	13.56	104	2372191	12.350	ppbv	99
62) Isopropylbenzene	14.70	105	4989754	10.830	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2462641	9.481	ppbv	99
64) n-propylbenzene	15.59	120	1340368	11.262	ppbv	95
65) tert-Butylbenzene	16.78	119	4482915	10.833	ppbv	100
66) Benzyl Chloride	17.03	91	1825049	12.379	ppbv	100
67) sec-Butylbenzene	17.33	105	6348454	10.523	ppbv	99
69) p-Isopropyltoluene	17.69	119	5262186	11.129	ppbv	100
70) n-Butylbenzene	18.59	91	5430428	10.832	ppbv	100
71) 2-Chlorotoluene	15.49	91	3822544	10.964	ppbv	99
72) 4-Ethyltoluene	15.87	105	3972546	11.342	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3750857	11.105	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3963452	10.619	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	2296384	9.715	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2278528	10.373	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2153910	10.121	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1600548	9.517	ppbv	99
79) Naphthalene	22.25	128	3334587	13.807	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1272658	22.307	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1827653m	11.945	ppbv	

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

