

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035112.D
 Acq On : 22 Jun 2020 15:54
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:24 AM

Quant Time: Jun 23 01:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 23 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	1267784	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2995437	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3144938	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2413732	9.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1390558	8.123 ppbv	99
3) Chlorodifluoromethane	2.95	51	1324508	9.458 ppbv	99
4) Chloromethane	3.11	50	765355	9.749 ppbv	100
5) Vinyl Chloride	3.22	62	760327	10.184 ppbv	97
6) Bromomethane	3.44	94	457451	9.867 ppbv	93
7) Chloroethane	3.52	64	286397	10.173 ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1723541	9.390 ppbv	99
9) Propene	2.97	41	564981	10.188 ppbv	98
10) Heptane	8.14	43	1553404	10.808 ppbv	98
11) Trichlorofluoromethane	3.92	101	1807255	9.882 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1281758	10.135 ppbv	100
13) Ethanol	3.57	45	162058	7.735 ppbv	99
14) Bromoethene	3.71	108	551359	10.114 ppbv	97
15) Acetone	3.82	43	1406111	9.174 ppbv	99
16) 1,3-Butadiene	3.29	39	691373	10.284 ppbv	98
17) tert-Butyl alcohol	4.27	59	1567038	11.536 ppbv	99
18) 1,1-Dichloroethene	4.27	96	588085	10.311 ppbv	96
19) Isopropyl Alcohol	3.94	45	1054622	10.596 ppbv	# 99
20) Methylene Chloride	4.32	84	525716	8.474 ppbv	95
21) Allyl Chloride	4.39	41	987142	10.836 ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	601963	11.281 ppbv	96
23) Vinyl Acetate	5.06	43	2037064	10.949 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1525082	9.723 ppbv	99
25) Ethyl Acetate	5.67	43	2684856	9.706 ppbv	99
26) Hexane	5.68	57	1206082	9.671 ppbv	98
27) Carbon Disulfide	4.53	76	1751364	13.569 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1872574	10.686 ppbv	100
29) Chloroform	5.75	83	1858348	9.522 ppbv	100
30) Cyclohexane	7.14	84	995282	11.119 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1208137	10.509 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1815801	10.031 ppbv	99
34) 2-Butanone	5.24	43	1739755	10.114 ppbv	99
35) Carbon Tetrachloride	7.03	117	1881607	10.473 ppbv	97
36) Benzene	6.90	78	2365138	10.197 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1441305	9.832 ppbv	100
38) Trichloroethene	7.85	130	917359	10.182 ppbv	99
39) 1,2-Dichloropropane	7.63	63	937740	10.337 ppbv	98
40) 1,4-Dioxane	7.85	88	357839	10.000 ppbv	# 94
41) Tetrahydrofuran	6.05	42	965551	10.990 ppbv	100
42) Bromodichloromethane	7.81	83	2039124	10.740 ppbv	100
43) Methyl Methacrylate	8.03	69	1095715	11.160 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4044596	9.991	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1258629	13.173	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1456556	12.271	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	998101	10.081	ppbv	99
48) Dibromochloromethane	10.34	129	1714259	11.614	ppbv	98
49) Bromoform	13.09	173	1466509	11.695	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2588132	10.590	ppbv	100
51) 2-Hexanone	10.16	43	2132146	11.140	ppbv #	100
52) Tetrachloroethene	11.26	164	850635	10.408	ppbv	95
53) Toluene	9.83	91	2775731	11.219	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1524263	10.397	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1263923	9.820	ppbv #	61
57) Chlorobenzene	12.19	112	2093688	9.047	ppbv	97
58) Ethyl Benzene	12.75	91	3711397	10.503	ppbv	97
59) m/p-Xylene	13.03	91	6138927m	19.604	ppbv	
60) o-Xylene	13.73	91	3000623	9.625	ppbv	100
61) Styrene	13.57	104	2183527	11.130	ppbv	99
62) Isopropylbenzene	14.71	105	4435168	9.533	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2113224	8.369	ppbv	100
64) n-propylbenzene	15.61	120	1173132	9.881	ppbv	99
65) tert-Butylbenzene	16.80	119	3822936	9.596	ppbv	100
66) Benzyl Chloride	17.04	91	1633957	13.278	ppbv	99
67) sec-Butylbenzene	17.34	105	5425185	9.502	ppbv	100
69) p-Isopropyltoluene	17.70	119	4484510	9.847	ppbv	100
70) n-Butylbenzene	18.60	91	4623977	9.425	ppbv	99
71) 2-Chlorotoluene	15.50	91	3416176	9.715	ppbv	100
72) 4-Ethyltoluene	15.89	105	3489368	10.061	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3253199	9.923	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	3354523	9.168	ppbv #	91
75) 1,3-Dichlorobenzene	17.05	146	1925179	8.817	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1917839	9.181	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1808211	9.050	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1467310	8.170	ppbv	98
79) Naphthalene	22.27	128	3269706	10.193	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1563850	12.750	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	1761951m	9.521	ppbv	

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

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