

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035119.D
 Acq On : 22 Jun 2020 20:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:51 AM

Quant Time: Jun 23 02:00:33 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	1292914	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3064939	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3175759m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2475744	9.38	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1678834	9.616	ppbv	96
3) Chlorodifluoromethane	2.95	51	1326312	9.286	ppbv	99
4) Chloromethane	3.10	50	767618	9.588	ppbv	97
5) Vinyl Chloride	3.22	62	756074	9.930	ppbv	99
6) Bromomethane	3.44	94	457948	9.686	ppbv	92
7) Chloroethane	3.53	64	293690	10.229	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1731725	9.251	ppbv	99
9) Propene	2.97	41	592947	10.484	ppbv	97
10) Heptane	8.14	43	1522680	10.389	ppbv	99
11) Trichlorofluoromethane	3.92	101	1780943	9.549	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1257891	9.753	ppbv	98
13) Ethanol	3.58	45	150821	7.059	ppbv	95
14) Bromoethene	3.71	108	560501	10.082	ppbv	99
15) Acetone	3.82	43	1368186	8.753	ppbv	100
16) 1,3-Butadiene	3.29	39	693304	10.113	ppbv	99
17) tert-Butyl alcohol	4.27	59	1521414	10.982	ppbv	100
18) 1,1-Dichloroethene	4.27	96	588257	10.113	ppbv	98
19) Isopropyl Alcohol	3.94	45	1044395	10.290	ppbv	# 98
20) Methylene Chloride	4.32	84	519694	8.215	ppbv	91
21) Allyl Chloride	4.39	41	982304	10.574	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	584272	10.736	ppbv	98
23) Vinyl Acetate	5.06	43	2036758	10.734	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1539466	9.624	ppbv	99
25) Ethyl Acetate	5.67	43	2653994	9.408	ppbv	99
26) Hexane	5.68	57	1196113	9.404	ppbv	98
27) Carbon Disulfide	4.53	76	1565400	11.893	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1859599	10.406	ppbv	100
29) Chloroform	5.75	83	1828845	9.188	ppbv	99
30) Cyclohexane	7.14	84	986621	10.808	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1199472	10.230	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1790800	9.701	ppbv	100
34) 2-Butanone	5.24	43	1709952	9.715	ppbv	100
35) Carbon Tetrachloride	7.03	117	1840760	10.014	ppbv	99
36) Benzene	6.90	78	2365133	9.965	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1442631	9.618	ppbv	100
38) Trichloroethene	7.85	130	902842	9.794	ppbv	98
39) 1,2-Dichloropropane	7.63	63	917163	9.881	ppbv	97
40) 1,4-Dioxane	7.84	88	358676	9.796	ppbv	# 95
41) Tetrahydrofuran	6.05	42	960691	10.686	ppbv	99
42) Bromodichloromethane	7.81	83	1964652	10.113	ppbv	98
43) Methyl Methacrylate	8.03	69	1062510	10.577	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4021158	9.708	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1191284	12.185	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1415940	11.658	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	964998	9.525	ppbv	99
48) Dibromochloromethane	10.34	129	1590451	10.531	ppbv	100
49) Bromoform	13.08	173	1321420	10.299	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2478596	9.911	ppbv	99
51) 2-Hexanone	10.16	43	2004394	10.235	ppbv	100
52) Tetrachloroethene	11.26	164	821760	9.827	ppbv	97
53) Toluene	9.83	91	2690739	10.629	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1448659	9.658	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1184066	9.111	ppbv	100
57) Chlorobenzene	12.19	112	1992553	8.527	ppbv	96
58) Ethyl Benzene	12.75	91	3548019	9.943	ppbv	100
59) m/p-Xylene	13.03	91	5786000m	18.297	ppbv	
60) o-Xylene	13.73	91	2856478	9.073	ppbv	100
61) Styrene	13.57	104	2039822	10.297	ppbv	99
62) Isopropylbenzene	14.71	105	4197099	8.934	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1971149	7.731	ppbv	100
64) n-propylbenzene	15.61	120	1100876	9.183	ppbv	97
65) tert-Butylbenzene	16.79	119	3606136	8.964	ppbv	99
66) Benzyl Chloride	17.04	91	1420191	11.429	ppbv	100
67) sec-Butylbenzene	17.34	105	5137183	8.910	ppbv	99
69) p-Isopropyltoluene	17.70	119	4311653	9.375	ppbv	100
70) n-Butylbenzene	18.60	91	4626018	9.338	ppbv	99
71) 2-Chlorotoluene	15.50	91	3243404	9.134	ppbv	99
72) 4-Ethyltoluene	15.89	105	3345396	9.552	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3086086	9.322	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3257357	8.816	ppbv #	89
75) 1,3-Dichlorobenzene	17.05	146	1880112	8.527	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1874916	8.889	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1829494	9.068	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1778581	9.807	ppbv	99
79) Naphthalene	22.27	128	3921049	12.104	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1469988	11.868	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2032745	10.878	ppbv	100

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

