

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021920\
 Data File : VL034648.D
 Acq On : 19 Feb 2020 11:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:54 PM

Quant Time: Feb 20 07:07:45 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	932221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1896160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1966441	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1694734	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1456082	7.092	ppbv 94
3) Chlorodifluoromethane	2.95	51	1156710	10.269	ppbv 100
4) Chloromethane	3.10	50	698092	10.129	ppbv 99
5) Vinyl Chloride	3.22	62	674128	10.240	ppbv 99
6) Bromomethane	3.44	94	370136	10.810	ppbv 95
7) Chloroethane	3.52	64	256027	10.458	ppbv 96
8) Dichlorotetrafluoroethane	3.15	85	1648519	10.272	ppbv 100
9) Propene	2.97	41	431056	9.828	ppbv 99
10) Heptane	8.13	43	1190140	10.783	ppbv 98
11) Trichlorofluoromethane	3.92	101	1952003	10.465	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1313491	10.793	ppbv 98
13) Ethanol	3.57	45	118467	10.084	ppbv 98
14) Bromoethene	3.71	108	525608	11.010	ppbv 99
15) Acetone	3.82	43	1364575	9.960	ppbv 99
16) 1,3-Butadiene	3.29	39	605770	11.134	ppbv 100
17) tert-Butyl alcohol	4.27	59	1307634	12.978	ppbv 99
18) 1,1-Dichloroethene	4.26	96	582790	11.344	ppbv 98
19) Isopropyl Alcohol	3.94	45	991632	12.403	ppbv 100
20) Methylene Chloride	4.32	84	507774	9.733	ppbv 95
21) Allyl Chloride	4.39	41	930046	10.930	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	587289	10.916	ppbv 96
23) Vinyl Acetate	5.06	43	1649427	10.552	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1362387	10.439	ppbv 99
25) Ethyl Acetate	5.66	43	2266833	10.220	ppbv 99
26) Hexane	5.68	57	956377	10.294	ppbv 100
27) Carbon Disulfide	4.53	76	1489190	11.879	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1696332	10.706	ppbv 100
29) Chloroform	5.75	83	1683159	10.246	ppbv 97
30) Cyclohexane	7.13	84	758332	11.015	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1040853	10.783	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	1766620	10.015	ppbv 100
34) 2-Butanone	5.23	43	1391599	10.108	ppbv 99
35) Carbon Tetrachloride	7.02	117	1930130	10.647	ppbv 95
36) Benzene	6.90	78	1824364	10.819	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1500361	10.665	ppbv 100
38) Trichloroethene	7.84	130	801756	11.280	ppbv 95
39) 1,2-Dichloropropane	7.62	63	742765	10.626	ppbv 95
40) 1,4-Dioxane	7.84	88	298318	11.102	ppbv # 1
41) Tetrahydrofuran	6.04	42	752595	10.478	ppbv 98
42) Bromodichloromethane	7.80	83	1860897	10.747	ppbv 99
43) Methyl Methacrylate	8.02	69	757091	11.163	ppbv 100

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 QLast Update : Thu Jan 30 17:16:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3244075	10.603	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1097861	12.362	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1221474	12.101	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	803854	10.617	ppbv	97
48) Dibromochloromethane	10.33	129	1591756	11.473	ppbv	100
49) Bromoform	13.07	173	1401576	11.506	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2133175	10.865	ppbv	100
51) 2-Hexanone	10.15	43	1750885	11.328	ppbv	99
52) Tetrachloroethene	11.25	164	729659	10.772	ppbv	98
53) Toluene	9.82	91	2160349	11.662	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1240514	10.934	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1058788	10.906	ppbv	98
57) Chlorobenzene	12.18	112	1750348	10.817	ppbv	98
58) Ethyl Benzene	12.74	91	2983279	11.337	ppbv	96
59) m/p-Xylene	13.02	91	5051577m	21.717	ppbv	
60) o-Xylene	13.72	91	2562482	10.969	ppbv	100
61) Styrene	13.56	104	1850521	11.880	ppbv	98
62) Isopropylbenzene	14.70	105	3298694	10.897	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1781766	9.862	ppbv	99
64) n-propylbenzene	15.59	120	855628	10.986	ppbv	93
65) tert-Butylbenzene	16.78	119	3016742	11.000	ppbv	99
66) Benzyl Chloride	17.03	91	1457847	12.677	ppbv	100
67) sec-Butylbenzene	17.33	105	4102340	10.884	ppbv	99
69) p-Isopropyltoluene	17.69	119	3425879	11.194	ppbv	100
70) n-Butylbenzene	18.59	91	3572568	10.997	ppbv	99
71) 2-Chlorotoluene	15.49	91	2533059	11.023	ppbv	99
72) 4-Ethyltoluene	15.88	105	2900472	11.303	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2789261	11.124	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2951544	10.633	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	1649016	10.317	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1634952	10.379	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1562863	10.179	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1473620	10.037	ppbv	99
79) Naphthalene	22.26	128	2491437	11.401	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1327745	15.793	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1526860m	11.333	ppbv	

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

