

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034603.D
 Acq On : 6 Feb 2020 16:53
 Operator : SY/AP
 Sample : VL0206ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

Quant Time: Feb 07 07:54:24 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 17:16:44 2020
 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	5.69	49	1052572	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.22	114	2114389	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2299398	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1896986	9.76	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2111511	9.108	ppbv 96
3) Chlorodifluoromethane	2.97	51	1237086	9.727	ppbv 99
4) Chloromethane	3.12	50	659601	8.476	ppbv 100
5) Vinyl Chloride	3.24	62	647717	8.714	ppbv 100
6) Bromomethane	3.46	94	389116	10.064	ppbv 94
7) Chloroethane	3.55	64	246269	8.909	ppbv 93
8) Dichlorotetrafluoroethane	3.17	85	1625772	8.972	ppbv 99
9) Propene	2.99	41	425696	8.596	ppbv 99
10) Heptane	8.17	43	1192004	9.565	ppbv 100
11) Trichlorofluoromethane	3.94	101	1973474	9.371	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1297882	9.445	ppbv 99
13) Ethanol	3.59	45	112835	8.507	ppbv 99
14) Bromoethene	3.73	108	514480	9.545	ppbv 99
15) Acetone	3.84	43	1492251	9.646	ppbv 98
16) 1,3-Butadiene	3.31	39	588248	9.576	ppbv 99
17) tert-Butyl alcohol	4.29	59	1066375	9.373	ppbv 100
18) 1,1-Dichloroethene	4.29	96	564866	9.738	ppbv 92
19) Isopropyl Alcohol	3.97	45	821812	9.103	ppbv 100
20) Methylene Chloride	4.35	84	490692	8.330	ppbv 93
21) Allyl Chloride	4.41	41	918600	9.561	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	560624	9.229	ppbv 94
23) Vinyl Acetate	5.09	43	1785391	10.116	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1352990	9.182	ppbv 100
25) Ethyl Acetate	5.70	43	2180384	8.706	ppbv 99
26) Hexane	5.71	57	965756	9.206	ppbv 96
27) Carbon Disulfide	4.55	76	1430118	10.104	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1714255	9.582	ppbv 100
29) Chloroform	5.78	83	1675572	9.033	ppbv 100
30) Cyclohexane	7.17	84	761357	9.794	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1012139	9.287	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1778884	8.932	ppbv 100
34) 2-Butanone	5.26	43	1394659	9.084	ppbv 99
35) Carbon Tetrachloride	7.05	117	1923482	9.515	ppbv 98
36) Benzene	6.93	78	1785076	9.493	ppbv 97
37) 1,2-Dichloroethane	6.34	62	1472274	9.385	ppbv 100
38) Trichloroethene	7.88	130	767895	9.688	ppbv 94
39) 1,2-Dichloropropane	7.65	63	737362	9.460	ppbv 97
40) 1,4-Dioxane	7.87	88	276487	9.227	ppbv 94
41) Tetrahydrofuran	6.08	42	761310	9.506	ppbv 99
42) Bromodichloromethane	7.84	83	1883210	9.753	ppbv 97
43) Methyl Methacrylate	8.05	69	760236	10.052	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3235974	9.485	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1022662	10.327	ppbv	95
46) cis-1,3-Dichloropropene	8.75	75	1153346	10.247	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	813207	9.632	ppbv	97
48) Dibromochloromethane	10.37	129	1582880	10.232	ppbv	99
49) Bromoform	13.11	173	1412733	10.401	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2121755	9.691	ppbv	99
51) 2-Hexanone	10.19	43	1739210	10.091	ppbv #	100
52) Tetrachloroethene	11.29	164	715831	9.477	ppbv	96
53) Toluene	9.86	91	2122902	10.277	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1290930	10.204	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	1083178	9.542	ppbv	98
57) Chlorobenzene	12.21	112	1703206	9.002	ppbv	95
58) Ethyl Benzene	12.78	91	2988511	9.713	ppbv	97
59) m/p-Xylene	13.07	91	5144212m	18.913	ppbv	
60) o-Xylene	13.76	91	2599346	9.516	ppbv	99
61) Styrene	13.60	104	1782923	9.789	ppbv	98
62) Isopropylbenzene	14.74	105	3421834	9.667	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1876232	8.881	ppbv	98
64) n-propylbenzene	15.64	120	889294	9.765	ppbv	96
65) tert-Butylbenzene	16.82	119	3177284	9.907	ppbv	100
66) Benzyl Chloride	17.07	91	1493322	11.105	ppbv	100
67) sec-Butylbenzene	17.37	105	4319494	9.801	ppbv	99
69) p-Isopropyltoluene	17.73	119	3604893	10.073	ppbv	100
70) n-Butylbenzene	18.63	91	3788547	9.973	ppbv	99
71) 2-Chlorotoluene	15.53	91	2653199	9.874	ppbv	99
72) 4-Ethyltoluene	15.91	105	2959364	9.863	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2877332	9.814	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	3018230	9.299	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1685950	9.021	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1654020	8.980	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1640469	9.137	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1364684	7.949	ppbv	99
79) Naphthalene	22.30	128	2330990	9.122	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	478783	4.870	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1332668	8.459	ppbv	100

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

