

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035165.D
 Acq On : 7 Jul 2020 5:54
 Operator : SY/AP
 Sample : VL0706ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0706ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:01:40 PM

Quant Time: Jul 07 06:43:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 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	5.65	49	1035965	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2451736	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2461352m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1982774	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1316136	9.408	ppbv 97
3) Chlorodifluoromethane	2.94	51	1181530	10.324	ppbv 99
4) Chloromethane	3.09	50	674841	10.519	ppbv 99
5) Vinyl Chloride	3.21	62	660804	10.832	ppbv 97
6) Bromomethane	3.43	94	400660	10.576	ppbv 90
7) Chloroethane	3.51	64	247428	10.755	ppbv 98
8) Dichlorotetrafluoroethane	3.14	85	1510143	10.068	ppbv 97
9) Propene	2.96	41	503152	11.103	ppbv 100
10) Heptane	8.12	43	1321818	11.255	ppbv 99
11) Trichlorofluoromethane	3.91	101	1566246	10.481	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1115936	10.799	ppbv 99
13) Ethanol	3.56	45	136215	7.957	ppbv 99
14) Bromoethene	3.70	108	496554	11.147	ppbv 98
15) Acetone	3.81	43	1221296	9.751	ppbv 98
16) 1,3-Butadiene	3.28	39	612732	11.154	ppbv 98
17) tert-Butyl alcohol	4.26	59	1327657	11.961	ppbv 99
18) 1,1-Dichloroethene	4.25	96	513137	11.010	ppbv 96
19) Isopropyl Alcohol	3.93	45	908508	11.171	ppbv 99
20) Methylene Chloride	4.31	84	468993	9.252	ppbv 94
21) Allyl Chloride	4.38	41	876872	11.780	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	508510	11.662	ppbv 97
23) Vinyl Acetate	5.05	43	1781293	11.717	ppbv 100
24) 1,1-Dichloroethane	4.98	63	1352753	10.554	ppbv 99
25) Ethyl Acetate	5.65	43	2344788	10.373	ppbv 99
26) Hexane	5.67	57	1044934	10.253	ppbv 99
27) Carbon Disulfide	4.52	76	1444204	13.694	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1634993	11.418	ppbv 100
29) Chloroform	5.74	83	1607332	10.078	ppbv 98
30) Cyclohexane	7.12	84	862187	11.788	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1045792	11.132	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	1587344	10.731	ppbv 99
34) 2-Butanone	5.22	43	1472511	10.458	ppbv 99
35) Carbon Tetrachloride	7.01	117	1639639	11.151	ppbv 96
36) Benzene	6.89	78	2046562	10.780	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1267844	10.567	ppbv 99
38) Trichloroethene	7.83	130	812102	11.013	ppbv 97
39) 1,2-Dichloropropane	7.61	63	799960	10.773	ppbv 98
40) 1,4-Dioxane	7.83	88	307732	10.507	ppbv # 96
41) Tetrahydrofuran	6.03	42	816369	11.352	ppbv 100
42) Bromodichloromethane	7.79	83	1719032	11.062	ppbv 95
43) Methyl Methacrylate	8.01	69	925943	11.522	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3493207	10.542	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1039378	13.290	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1229122	12.651	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	830631	10.250	ppbv	96
48) Dibromochloromethane	10.32	129	1420016	11.754	ppbv	100
49) Bromoform	13.07	173	1189526	11.590	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2187038	10.933	ppbv	100
51) 2-Hexanone	10.14	43	1744768	11.137	ppbv #	100
52) Tetrachloroethene	11.24	164	724663	10.833	ppbv	96
53) Toluene	9.82	91	2357101	11.640	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1269443	10.579	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1046963	10.394	ppbv #	57
57) Chlorobenzene	12.17	112	1768890	9.767	ppbv	99
58) Ethyl Benzene	12.73	91	3102597	11.219	ppbv	99
59) m/p-Xylene	13.01	91	5078532m	20.721	ppbv	
60) o-Xylene	13.71	91	2516770	10.315	ppbv	99
61) Styrene	13.55	104	1767980	11.515	ppbv	99
62) Isopropylbenzene	14.69	105	3715240	10.204	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1744674	8.828	ppbv	99
64) n-propylbenzene	15.59	120	960114	10.333	ppbv	94
65) tert-Butylbenzene	16.77	119	3205868	10.283	ppbv	100
66) Benzyl Chloride	17.02	91	1256129	13.042	ppbv	100
67) sec-Butylbenzene	17.32	105	4569158	10.225	ppbv	100
69) p-Isopropyltoluene	17.68	119	3844883	10.787	ppbv	99
70) n-Butylbenzene	18.58	91	4075722	10.615	ppbv	99
71) 2-Chlorotoluene	15.48	91	2854873	10.373	ppbv	99
72) 4-Ethyltoluene	15.86	105	2945726	10.853	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2757563	10.747	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	2890460	10.093	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1655346	9.686	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1665727	10.189	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1607754	10.281	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1553715	11.054	ppbv	99
79) Naphthalene	22.25	128	3435314	13.683	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1355385	14.119	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1815056	12.532	ppbv	99

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

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