

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036426.D
 Acq On : 2 Mar 2021 12:10
 Operator : SY/AP
 Sample : VL0302ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:24 PM

Quant Time: Mar 03 03:39:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1564548	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3638986	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3445844m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2784514	9.82	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1661724	7.117 ppbv	99
3) Chlorodifluoromethane	2.98	51	1806661	9.294 ppbv	99
4) Chloromethane	3.13	50	873260	9.298 ppbv	99
5) Vinyl Chloride	3.25	62	859515	9.828 ppbv	94
6) Bromomethane	3.46	94	515652	9.920 ppbv	95
7) Chloroethane	3.55	64	319251	10.281 ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2005158	9.442 ppbv	99
9) Propene	3.00	41	806308	11.125 ppbv	100
10) Heptane	8.11	43	2093008	9.799 ppbv	100
11) Trichlorofluoromethane	3.94	101	2206093	9.649 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1376240	9.717 ppbv	99
13) Ethanol	3.60	45	126166	9.268 ppbv	95
14) Bromoethene	3.73	108	596727	10.067 ppbv	97
15) Acetone	3.84	43	1712800	8.956 ppbv	99
16) 1,3-Butadiene	3.31	39	851085	9.307 ppbv	99
17) tert-Butyl alcohol	4.28	59	1342306	9.042 ppbv	100
18) 1,1-Dichloroethene	4.28	96	598556	9.299 ppbv	95
19) Isopropyl Alcohol	3.96	45	892479	8.423 ppbv	# 97
20) Methylene Chloride	4.33	84	529442	8.581 ppbv	95
21) Allyl Chloride	4.40	41	999269	9.385 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	572273	9.788 ppbv	96
23) Vinyl Acetate	5.06	43	2098926	9.334 ppbv	97
24) 1,1-Dichloroethane	5.00	63	1625099	9.772 ppbv	100
25) Ethyl Acetate	5.67	43	3555326	9.630 ppbv	99
26) Hexane	5.68	57	1446777	9.537 ppbv	99
27) Carbon Disulfide	4.54	76	1506231	10.803 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1938771	9.783 ppbv	99
29) Chloroform	5.74	83	2318437	9.487 ppbv	98
30) Cyclohexane	7.12	84	1187190	9.410 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1453970	9.687 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2255212	9.870 ppbv	98
34) 2-Butanone	5.23	43	2223531	9.196 ppbv	100
35) Carbon Tetrachloride	7.01	117	2302951	9.443 ppbv	98
36) Benzene	6.88	78	2956316	9.564 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1784609	9.338 ppbv	99
38) Trichloroethene	7.82	130	1055810	9.534 ppbv	96
39) 1,2-Dichloropropane	7.60	63	1212408	9.655 ppbv	96
40) 1,4-Dioxane	7.82	88	382719	8.797 ppbv	# 81
41) Tetrahydrofuran	6.03	42	1272561	9.432 ppbv	99
42) Bromodichloromethane	7.78	83	2459482	9.609 ppbv	98
43) Methyl Methacrylate	8.00	69	1309055	10.041 ppbv	99

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44) 2,2,4-Trimethylpentane	7.86	57	5132738	9.132	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1424598	11.328	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1715039	10.736	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1209850	9.414	ppbv	98
48) Dibromochloromethane	10.29	129	1981414	10.333	ppbv	98
49) Bromoform	13.03	173	1680129	10.838	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3482951	9.704	ppbv	99
51) 2-Hexanone	10.12	43	2852346	10.458	ppbv	97
52) Tetrachloroethene	11.21	164	979632	8.657	ppbv	95
53) Toluene	9.80	91	3355108	10.020	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1790760	9.643	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1500595	9.468	ppbv #	59
57) Chlorobenzene	12.14	112	2431176	9.132	ppbv	99
58) Ethyl Benzene	12.70	91	4588868	9.725	ppbv	98
59) m/p-Xylene	12.98	91	7754144m	18.709	ppbv	
60) o-Xylene	13.68	91	3703962	9.347	ppbv	99
61) Styrene	13.52	104	2586235	10.531	ppbv	99
62) Isopropylbenzene	14.66	105	5466007	9.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2650429	8.477	ppbv	99
64) n-propylbenzene	15.55	120	1430539	9.786	ppbv	97
65) tert-Butylbenzene	16.73	119	4652024	9.154	ppbv	99
66) Benzyl Chloride	16.98	91	1726945	12.499	ppbv	99
67) sec-Butylbenzene	17.28	105	6653857	9.078	ppbv	99
69) p-Isopropyltoluene	17.64	119	5478548	9.673	ppbv	99
70) n-Butylbenzene	18.54	91	5755830	9.476	ppbv	100
71) 2-Chlorotoluene	15.44	91	4298165	9.440	ppbv	98
72) 4-Ethyltoluene	15.83	105	4246124	9.628	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4021159	9.406	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4061980	9.307	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2224542	9.391	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2188638	8.897	ppbv	95
77) 1,2-Dichlorobenzene	17.81	146	2186016	9.302	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1532350	7.981	ppbv	99
79) Naphthalene	22.19	128	2979493m	11.517	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	713353	14.892	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1558664	9.875	ppbv	100

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

