

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036820.D
 Acq On : 20 Apr 2021 12:50
 Operator : SY/AP
 Sample : VL0420ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0420ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021

Quant Time: Apr 21 06:47:18 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu Mar 25 09:42:40 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1322330	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3396756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2984744m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2427218	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1892964	8.777 ppbv	96
3) Chlorodifluoromethane	2.99	51	2408412	9.748 ppbv	99
4) Chloromethane	3.14	50	752249	8.620 ppbv	97
5) Vinyl Chloride	3.26	62	740341	8.251 ppbv	95
6) Bromomethane	3.47	94	375586	7.603 ppbv	99
7) Chloroethane	3.56	64	260365	8.444 ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	1793635	8.713 ppbv	99
9) Propene	3.01	41	731126	9.283 ppbv	98
10) Heptane	8.13	43	1903181	9.485 ppbv	99
11) Trichlorofluoromethane	3.95	101	1706286	7.763 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1133585	8.067 ppbv	97
13) Ethanol	3.61	45	73599m	7.847 ppbv	
14) Bromoethene	3.74	108	490632	8.398 ppbv	99
15) Acetone	3.85	43	960421	7.379 ppbv	99
16) 1,3-Butadiene	3.33	39	783602	8.648 ppbv	97
17) tert-Butyl alcohol	4.29	59	986102	8.704 ppbv	98
18) 1,1-Dichloroethene	4.29	96	515778	8.251 ppbv	90
19) Isopropyl Alcohol	3.97	45	588194	8.216 ppbv	99
20) Methylene Chloride	4.35	84	411346	6.750 ppbv	97
21) Allyl Chloride	4.41	41	855942	8.250 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	508163	8.769 ppbv	90
23) Vinyl Acetate	5.08	43	1761134	7.911 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1119825	6.901 ppbv	98
25) Ethyl Acetate	5.68	43	2758026	8.914 ppbv	99
26) Hexane	5.69	57	1349354	9.397 ppbv	97
27) Carbon Disulfide	4.56	76	1271723	8.991 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1128638	6.665 ppbv	98
29) Chloroform	5.76	83	2155782	9.388 ppbv	99
30) Cyclohexane	7.14	84	1143007	9.815 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1317715	9.488 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2193242	9.477 ppbv	99
34) 2-Butanone	5.25	43	1328179	8.010 ppbv	98
35) Carbon Tetrachloride	7.02	117	2329360	8.928 ppbv	96
36) Benzene	6.90	78	2849771	9.097 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1621880	8.796 ppbv	100
38) Trichloroethene	7.84	130	1039214	8.524 ppbv	95
39) 1,2-Dichloropropane	7.62	63	1120987	8.821 ppbv	98
40) 1,4-Dioxane	7.84	88	281683m	9.524 ppbv	
41) Tetrahydrofuran	6.06	42	611931	8.004 ppbv	96
42) Bromodichloromethane	7.80	83	2373266	9.463 ppbv	99
43) Methyl Methacrylate	8.02	69	1057375	10.052 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4817526	8.738	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	928837	7.733	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1242840	8.094	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1169198	9.084	ppbv	96
48) Dibromochloromethane	10.31	129	1909846	9.733	ppbv	100
49) Bromoform	13.05	173	1606001	10.158	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2017680	8.410	ppbv	99
51) 2-Hexanone	10.15	43	1089822	9.002	ppbv #	99
52) Tetrachloroethene	11.23	164	954920	8.278	ppbv	94
53) Toluene	9.82	91	3175937	9.520	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1654481	9.102	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1343031	9.948	ppbv	98
57) Chlorobenzene	12.16	112	2393543	9.425	ppbv	100
58) Ethyl Benzene	12.72	91	4339740	9.994	ppbv	99
59) m/p-Xylene	13.01	91	7354798m	19.418	ppbv	
60) o-Xylene	13.70	91	3485244	9.517	ppbv	100
61) Styrene	13.54	104	1867039	10.134	ppbv	99
62) Isopropylbenzene	14.68	105	4806910	9.747	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2596616	9.295	ppbv	100
64) n-propylbenzene	15.57	120	1234499	10.238	ppbv	94
65) tert-Butylbenzene	16.75	119	4191143	9.801	ppbv	100
66) Benzyl Chloride	17.00	91	352195	7.451	ppbv	99
67) sec-Butylbenzene	17.31	105	5912808	9.795	ppbv	100
69) p-Isopropyltoluene	17.67	119	4845380	10.279	ppbv	99
70) n-Butylbenzene	18.56	91	5020608	10.272	ppbv	99
71) 2-Chlorotoluene	15.46	91	3721002	10.069	ppbv	100
72) 4-Ethyltoluene	15.85	105	4013199	10.001	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3648792	9.742	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3831698	9.560	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2244091	9.947	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2143056	9.567	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2192382	10.338	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1682950	8.861	ppbv	99
79) Naphthalene	22.21	128	2441238	10.438	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	303189	6.574	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1546523	10.710	ppbv	97

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

