

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037269.D
 Acq On : 2 Jul 2021 11:16
 Operator : SY/AP
 Sample : VL0702ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 6:44:24 PM

Quant Time: Jul 02 14:57:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1329267	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3912317	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3515634m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2931366	11.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2157260	9.332	ppbv 99
3) Chlorodifluoromethane	3.00	51	2288459	8.854	ppbv 99
4) Chloromethane	3.15	50	760045	8.823	ppbv 99
5) Vinyl Chloride	3.27	62	857239	9.055	ppbv 97
6) Bromomethane	3.48	94	485129	8.589	ppbv 97
7) Chloroethane	3.57	64	320345	9.466	ppbv 92
8) Dichlorotetrafluoroethane	3.20	85	2181725	9.200	ppbv 98
9) Propene	3.02	41	711602	8.610	ppbv 99
10) Heptane	8.14	43	1860519	9.295	ppbv 99
11) Trichlorofluoromethane	3.96	101	2345558	9.509	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1716787	9.873	ppbv 99
13) Ethanol	3.62	45	84612m	6.618	ppbv
14) Bromoethene	3.75	108	668984	9.218	ppbv 98
15) Acetone	3.86	43	1156517	7.715	ppbv 97
16) 1,3-Butadiene	3.34	39	841287	9.494	ppbv 98
17) tert-Butyl alcohol	4.30	59	1452562	10.485	ppbv 100
18) 1,1-Dichloroethene	4.30	96	745120	9.670	ppbv 96
19) Isopropyl Alcohol	3.98	45	829478	9.136	ppbv 98
20) Methylene Chloride	4.36	84	636502	7.093	ppbv 99
21) Allyl Chloride	4.43	41	1058236	9.366	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	788318	10.339	ppbv 97
23) Vinyl Acetate	5.09	43	1848419	8.600	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1549599	8.955	ppbv 100
25) Ethyl Acetate	5.70	43	2941370	9.064	ppbv 99
26) Hexane	5.70	57	1391875	8.486	ppbv 98
27) Carbon Disulfide	4.56	76	1751445	10.899	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1626106	8.247	ppbv 99
29) Chloroform	5.77	83	2347458	9.265	ppbv 99
30) Cyclohexane	7.15	84	1226349	8.974	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1415887	9.395	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2441741	9.006	ppbv 99
34) 2-Butanone	5.26	43	1258192	8.269	ppbv 98
35) Carbon Tetrachloride	7.04	117	2629336	10.020	ppbv 97
36) Benzene	6.91	78	2910868	9.201	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1786871	9.723	ppbv 99
38) Trichloroethene	7.86	130	1266142	8.420	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1113973	9.476	ppbv 99
40) 1,4-Dioxane	7.86	88	297116m	9.217	ppbv
41) Tetrahydrofuran	6.07	42	683350	9.669	ppbv 98
42) Bromodichloromethane	7.81	83	2496065	9.845	ppbv 99
43) Methyl Methacrylate	8.03	69	1063955	9.738	ppbv 98

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44) 2,2,4-Trimethylpentane	7.89	57	4837253	9.080	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	927853	9.626	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1162284	8.814	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1260724	9.400	ppbv	97
48) Dibromochloromethane	10.33	129	2278745	10.764	ppbv	99
49) Bromoform	13.06	173	1880681	11.923	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2072300	9.916	ppbv	99
51) 2-Hexanone	10.16	43	1033719	10.166	ppbv #	98
52) Tetrachloroethene	11.25	164	1215537	8.269	ppbv	96
53) Toluene	9.83	91	3521377	9.318	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1885048	9.780	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	1552249	10.099	ppbv	99
57) Chlorobenzene	12.17	112	2709233	9.502	ppbv	97
58) Ethyl Benzene	12.73	91	4732712	9.779	ppbv	97
59) m/p-Xylene	13.02	91	8051546m	19.631	ppbv	
60) o-Xylene	13.72	91	3849237	9.856	ppbv	99
61) Styrene	13.55	104	2136961	10.602	ppbv	97
62) Isopropylbenzene	14.69	105	5332575	9.603	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2626202	10.099	ppbv	100
64) n-propylbenzene	15.58	120	1411392	10.149	ppbv	94
65) tert-Butylbenzene	16.77	119	4922953	9.995	ppbv	99
66) Benzyl Chloride	17.01	91	214955	10.299	ppbv	98
67) sec-Butylbenzene	17.32	105	6549460	9.972	ppbv	99
69) p-Isopropyltoluene	17.67	119	5614965	10.121	ppbv	99
70) n-Butylbenzene	18.57	91	5241263	10.208	ppbv	99
71) 2-Chlorotoluene	15.47	91	3928245	10.118	ppbv	98
72) 4-Ethyltoluene	15.86	105	4594057	10.355	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4219340	9.839	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4392234	9.940	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2623486	9.765	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2568893	9.573	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2527899	9.726	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1569003	7.021	ppbv	100
79) Naphthalene	22.22	128	2905401	7.886	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	581056	6.014	ppbv	97
81) 1,2,4-Trichlorobenzene	21.95	180	1698255	7.988	ppbv	98

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

