

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037152.D
 Acq On : 14 Jun 2021 17:09
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:15 PM

Quant Time: Jun 14 19:32:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1571631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4647800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4474140m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3292482	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1938464	7.744	ppbv 100
3) Chlorodifluoromethane	3.00	51	2829498	9.597	ppbv 100
4) Chloromethane	3.15	50	967510	9.631	ppbv 97
5) Vinyl Chloride	3.27	62	1078066	11.093	ppbv 98
6) Bromomethane	3.48	94	632884	10.237	ppbv 98
7) Chloroethane	3.57	64	368617	9.720	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	2537169	9.487	ppbv 100
9) Propene	3.02	41	926251	9.525	ppbv 98
10) Heptane	8.14	43	2351279	10.142	ppbv 99
11) Trichlorofluoromethane	3.96	101	2812233	9.903	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1953126	10.025	ppbv 98
13) Ethanol	3.62	45	123408	9.184	ppbv 92
14) Bromoethene	3.75	108	868920	10.308	ppbv 100
15) Acetone	3.86	43	1400234	7.446	ppbv 98
16) 1,3-Butadiene	3.33	39	1029018	10.134	ppbv 99
17) tert-Butyl alcohol	4.30	59	1779135	10.931	ppbv 100
18) 1,1-Dichloroethene	4.30	96	884245	10.061	ppbv 96
19) Isopropyl Alcohol	3.98	45	1075722	10.424	ppbv 100
20) Methylene Chloride	4.36	84	723298	8.825	ppbv 94
21) Allyl Chloride	4.42	41	1285017	10.228	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	908222	10.606	ppbv 98
23) Vinyl Acetate	5.09	43	2641548	10.696	ppbv 99
24) 1,1-Dichloroethane	5.02	63	2053113	10.359	ppbv 99
25) Ethyl Acetate	5.69	43	3730365	10.123	ppbv 99
26) Hexane	5.70	57	1765501	9.634	ppbv 99
27) Carbon Disulfide	4.56	76	2090472	11.251	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2358243	10.274	ppbv 99
29) Chloroform	5.76	83	2901768	9.808	ppbv 100
30) Cyclohexane	7.15	84	1609243	10.072	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1820789	10.309	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	3027425	11.144	ppbv 100
34) 2-Butanone	5.26	43	1773595	10.161	ppbv 99
35) Carbon Tetrachloride	7.03	117	3258504	11.405	ppbv 100
36) Benzene	6.91	78	3703746	10.042	ppbv 100
37) 1,2-Dichloroethane	6.32	62	2202693	10.285	ppbv 100
38) Trichloroethene	7.85	130	1609587	10.100	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1435928	10.198	ppbv 99
40) 1,4-Dioxane	7.85	88	401550m	10.184	ppbv
41) Tetrahydrofuran	6.06	42	890476	10.482	ppbv 99
42) Bromodichloromethane	7.81	83	3164440	10.725	ppbv 97
43) Methyl Methacrylate	8.03	69	1391775	11.000	ppbv 99

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44) 2,2,4-Trimethylpentane	7.89	57	6111229	9.900	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1380614	12.108	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1738679	11.429	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1610559	10.084	ppbv	99
48) Dibromochloromethane	10.32	129	2929791	11.371	ppbv	99
49) Bromoform	13.06	173	2403246	11.940	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2703453	10.528	ppbv	99
51) 2-Hexanone	10.16	43	1414149	11.033	ppbv	98
52) Tetrachloroethene	11.24	164	1566510	10.270	ppbv	99
53) Toluene	9.83	91	4504466	10.275	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2438764	10.428	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1953266	10.010	ppbv	97
57) Chlorobenzene	12.17	112	3467127	9.671	ppbv	100
58) Ethyl Benzene	12.73	91	6016420	9.927	ppbv	99
59) m/p-Xylene	13.02	91	10122664m	19.655	ppbv	
60) o-Xylene	13.71	91	4803958	9.715	ppbv	100
61) Styrene	13.55	104	2819193	10.814	ppbv	100
62) Isopropylbenzene	14.68	105	6703977	9.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3246240	10.097	ppbv	100
64) n-propylbenzene	15.58	120	1830657	10.184	ppbv	100
65) tert-Butylbenzene	16.76	119	6152914	9.632	ppbv	99
66) Benzyl Chloride	17.00	91	325984	11.692	ppbv	97
67) sec-Butylbenzene	17.31	105	8115916	9.563	ppbv	100
69) p-Isopropyltoluene	17.67	119	7058394	9.949	ppbv	100
70) n-Butylbenzene	18.57	91	6698910	10.320	ppbv	100
71) 2-Chlorotoluene	15.47	91	4939822	9.825	ppbv	99
72) 4-Ethyltoluene	15.86	105	5881183	10.238	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5290206	9.710	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5556878	10.024	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3445459	10.094	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3415228	10.074	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3304717	9.819	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2114737	8.863	ppbv	100
79) Naphthalene	22.22	128	4166016	12.485	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1432859	17.749	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2428516	11.442	ppbv	99

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

