

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037170.D
 Acq On : 16 Jun 2021 13:14
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:26 PM

Quant Time: Jun 16 14:04:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:04:59 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1516522	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4512042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4171051m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3301910	10.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	3033202	12.558 ppbv	97
3) Chlorodifluoromethane	2.99	51	3864069	13.583 ppbv	98
4) Chloromethane	3.14	50	1362549	14.056 ppbv	97
5) Vinyl Chloride	3.26	62	1492712	15.917 ppbv	99
6) Bromomethane	3.48	94	923233	15.477 ppbv	97
7) Chloroethane	3.56	64	539216	14.736 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	3511785	13.609 ppbv	98
9) Propene	3.01	41	1256658	13.392 ppbv	100
10) Heptane	8.13	43	3224112	14.412 ppbv	100
11) Trichlorofluoromethane	3.95	101	3881493	14.164 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2743188	14.592 ppbv	100
13) Ethanol	3.62	45	153647	11.850 ppbv	52
14) Bromoethene	3.74	108	1201474	14.770 ppbv	98
15) Acetone	3.85	43	1966114	10.834 ppbv	97
16) 1,3-Butadiene	3.33	39	1414421	14.436 ppbv	100
17) tert-Butyl alcohol	4.30	59	2209666	14.070 ppbv	99
18) 1,1-Dichloroethene	4.29	96	1245098	14.681 ppbv	99
19) Isopropyl Alcohol	3.97	45	1315972	13.215 ppbv	99
20) Methylene Chloride	4.35	84	1043611m	13.196 ppbv	
21) Allyl Chloride	4.42	41	1774298	14.635 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	1256147	15.202 ppbv	96
23) Vinyl Acetate	5.08	43	3649195	15.313 ppbv	98
24) 1,1-Dichloroethane	5.02	63	2738410	14.319 ppbv	99
25) Ethyl Acetate	5.68	43	5078002	14.281 ppbv	100
26) Hexane	5.69	57	2406122	13.606 ppbv	99
27) Carbon Disulfide	4.56	76	2942840	16.414 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	3087078	13.938 ppbv	100
29) Chloroform	5.76	83	4032966	14.127 ppbv	99
30) Cyclohexane	7.14	84	2137331	13.863 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	2490543	14.614 ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	4159085	15.866 ppbv	100
34) 2-Butanone	5.25	43	2419428	14.278 ppbv	99
35) Carbon Tetrachloride	7.03	117	4486136	16.174 ppbv	99
36) Benzene	6.90	78	5035235	14.064 ppbv	98
37) 1,2-Dichloroethane	6.32	62	3044960	14.646 ppbv	100
38) Trichloroethene	7.84	130	2206122	14.259 ppbv	99
39) 1,2-Dichloropropane	7.62	63	1941176	14.201 ppbv	98
40) 1,4-Dioxane	7.84	88	480948m	12.565 ppbv	
41) Tetrahydrofuran	6.06	42	1218076	14.770 ppbv	98
42) Bromodichloromethane	7.80	83	4225854	14.753 ppbv	98
43) Methyl Methacrylate	8.02	69	1900309	15.471 ppbv	99

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44) 2,2,4-Trimethylpentane	7.88	57	8066716	13.461	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	2054134	18.558	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2530302	17.133	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	2169104	13.990	ppbv	98
48) Dibromochloromethane	10.32	129	3886553	15.538	ppbv	99
49) Bromoform	13.05	173	3085640	15.792	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3577572	14.352	ppbv	100
51) 2-Hexanone	10.15	43	1808862	14.538	ppbv #	99
52) Tetrachloroethene	11.23	164	2102171	14.197	ppbv	96
53) Toluene	9.82	91	6020499	14.147	ppbv	98
54) 1,2-Dibromoethane	10.62	107	3262303	14.370	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2588133	14.227	ppbv	95
57) Chlorobenzene	12.16	112	4598330	13.758	ppbv	99
58) Ethyl Benzene	12.72	91	7851762	13.897	ppbv	97
59) m/p-Xylene	13.01	91	13143740m	27.375	ppbv	
60) o-Xylene	13.71	91	6283436	13.630	ppbv	99
61) Styrene	13.54	104	3723704	15.322	ppbv	98
62) Isopropylbenzene	14.68	105	8582452	13.061	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	4111695	13.718	ppbv	99
64) n-propylbenzene	15.58	120	2389583	14.259	ppbv	95
65) tert-Butylbenzene	16.76	119	7648171	12.843	ppbv	99
66) Benzyl Chloride	17.00	91	389938	15.002	ppbv	97
67) sec-Butylbenzene	17.31	105	10082826	12.744	ppbv	98
69) p-Isopropyltoluene	17.66	119	8870702	13.411	ppbv	98
70) n-Butylbenzene	18.56	91	8417479	13.909	ppbv	99
71) 2-Chlorotoluene	15.46	91	6282513	13.404	ppbv	99
72) 4-Ethyltoluene	15.85	105	7464074	13.938	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	6751580	13.293	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	6983335	13.512	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	4314953	13.560	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	4280012	13.542	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	4143404	13.205	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	3156611	14.192	ppbv	99
79) Naphthalene	22.21	128	7087420	22.784	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	2338527	31.072	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	3728169	18.841	ppbv	99

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

