

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037215.D
 Acq On : 17 Jun 2021 23:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:58:43 PM

Quant Time: Jun 18 03:12:00 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	5.67	49	1389566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4131090	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3716170m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2962947	10.52	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	2361924	9.774	ppbv	98
3) Chlorodifluoromethane	2.99	51	2699904	9.992	ppbv	99
4) Chloromethane	3.14	50	920820	10.226	ppbv	98
5) Vinyl Chloride	3.25	62	997938	10.083	ppbv	100
6) Bromomethane	3.47	94	612789	10.379	ppbv	99
7) Chloroethane	3.56	64	351154	9.926	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2542679	10.256	ppbv	97
9) Propene	3.01	41	898290	10.398	ppbv	99
10) Heptane	8.12	43	2248868	10.748	ppbv	99
11) Trichlorofluoromethane	3.95	101	2649993	10.277	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1867851	10.276	ppbv	100
13) Ethanol	3.61	45	114508m	8.568	ppbv	
14) Bromoethene	3.74	108	799959	10.544	ppbv	99
15) Acetone	3.85	43	1364981	8.711	ppbv	98
16) 1,3-Butadiene	3.32	39	989320	10.680	ppbv	99
17) tert-Butyl alcohol	4.29	59	1449228	10.007	ppbv	100
18) 1,1-Dichloroethene	4.29	96	826462	10.260	ppbv	95
19) Isopropyl Alcohol	3.97	45	851863	8.976	ppbv #	98
20) Methylene Chloride	4.34	84	697349	7.434	ppbv	97
21) Allyl Chloride	4.41	41	1264717	10.708	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	822840	10.323	ppbv	97
23) Vinyl Acetate	5.07	43	2550454	11.351	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1927061	10.653	ppbv	100
25) Ethyl Acetate	5.68	43	3600541	10.614	ppbv	99
26) Hexane	5.68	57	1698556	9.907	ppbv	99
27) Carbon Disulfide	4.55	76	1906179	11.347	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2195053	10.649	ppbv	99
29) Chloroform	5.75	83	2703698	10.208	ppbv	98
30) Cyclohexane	7.13	84	1475517	10.329	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1701541	10.800	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2766495	9.761	ppbv	99
34) 2-Butanone	5.25	43	1682647	10.473	ppbv	99
35) Carbon Tetrachloride	7.02	117	2926054	10.560	ppbv	98
36) Benzene	6.89	78	3533832	10.579	ppbv	100
37) 1,2-Dichloroethane	6.30	62	2067188	10.653	ppbv	100
38) Trichloroethene	7.83	130	1460788	9.200	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1355447	10.919	ppbv	99
40) 1,4-Dioxane	7.83	88	328442	9.649	ppbv	67
41) Tetrahydrofuran	6.05	42	830675	11.131	ppbv	99
42) Bromodichloromethane	7.79	83	2877629	10.749	ppbv	100
43) Methyl Methacrylate	8.01	69	1299949m	11.268	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5781686	10.278	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1328242	13.050	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1677567	12.048	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1466362	10.355	ppbv	98
48) Dibromochloromethane	10.30	129	2546240	11.390	ppbv	99
49) Bromoform	13.04	173	2016798	12.109	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2428725	11.006	ppbv	99
51) 2-Hexanone	10.14	43	1235561	11.508	ppbv #	98
52) Tetrachloroethene	11.22	164	1438668	9.268	ppbv	98
53) Toluene	9.80	91	4222972	10.583	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2169521	10.660	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1732935	10.666	ppbv	95
57) Chlorobenzene	12.15	112	3136444	10.407	ppbv	97
58) Ethyl Benzene	12.71	91	5499616	10.750	ppbv	98
59) m/p-Xylene	13.00	91	9236569m	21.305	ppbv	
60) o-Xylene	13.69	91	4347361	10.531	ppbv	100
61) Styrene	13.53	104	2500015	11.734	ppbv	98
62) Isopropylbenzene	14.66	105	6051918	10.310	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2837530	10.323	ppbv	100
64) n-propylbenzene	15.56	120	1608966	10.945	ppbv	97
65) tert-Butylbenzene	16.74	119	5347165	10.270	ppbv	99
66) Benzyl Chloride	16.99	91	256105	11.608	ppbv	99
67) sec-Butylbenzene	17.29	105	7152540	10.303	ppbv	100
69) p-Isopropyltoluene	17.65	119	6199551	10.572	ppbv	99
70) n-Butylbenzene	18.55	91	5879188	10.833	ppbv	99
71) 2-Chlorotoluene	15.45	91	4394752	10.708	ppbv	98
72) 4-Ethyltoluene	15.84	105	5254275	11.204	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4731168	10.437	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4858898	10.403	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2952716	10.397	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2845034	10.030	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2809576	10.227	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	2124062	8.992	ppbv	100
79) Naphthalene	22.20	128	4586230	11.777	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1168074	11.437	ppbv	91
81) 1,2,4-Trichlorobenzene	21.92	180	2449728	10.901	ppbv	99

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

