

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037244.D
 Acq On : 29 Jun 2021 10:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:37:58 PM

Quant Time: Jun 29 13:51:14 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	5.65	49	1571912	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4652096	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4289913m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3342894	10.28	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2651043	9.697	ppbv	97
3) Chlorodifluoromethane	2.98	51	2796557	9.149	ppbv	99
4) Chloromethane	3.13	50	918387	9.016	ppbv	98
5) Vinyl Chloride	3.25	62	1046430	9.347	ppbv	96
6) Bromomethane	3.46	94	564753	8.456	ppbv	95
7) Chloroethane	3.54	64	392306	9.803	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2680799	9.559	ppbv	98
9) Propene	3.00	41	899992	9.209	ppbv	99
10) Heptane	8.11	43	2289814	9.674	ppbv	100
11) Trichlorofluoromethane	3.94	101	2819074	9.664	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2045887	9.950	ppbv	99
13) Ethanol	3.60	45	95710	6.331	ppbv	54
14) Bromoethene	3.73	108	823417	9.594	ppbv	98
15) Acetone	3.84	43	1400823	7.903	ppbv	97
16) 1,3-Butadiene	3.31	39	1037531	9.901	ppbv	100
17) tert-Butyl alcohol	4.28	59	1591342	9.713	ppbv	99
18) 1,1-Dichloroethene	4.28	96	895248	9.825	ppbv	99
19) Isopropyl Alcohol	3.96	45	866626	8.072	ppbv	99
20) Methylene Chloride	4.33	84	764179	7.201	ppbv	98
21) Allyl Chloride	4.40	41	1304037	9.760	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	913774	10.134	ppbv	95
23) Vinyl Acetate	5.06	43	2232844	8.785	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1858571	9.082	ppbv	99
25) Ethyl Acetate	5.66	43	3622887	9.441	ppbv	99
26) Hexane	5.67	57	1747855	9.012	ppbv	98
27) Carbon Disulfide	4.54	76	2074655	10.917	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1987377	8.523	ppbv	98
29) Chloroform	5.74	83	2849136	9.510	ppbv	98
30) Cyclohexane	7.11	84	1525388	9.439	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1708187	9.585	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2988357	9.321	ppbv	100
34) 2-Butanone	5.23	43	1647231	9.104	ppbv	99
35) Carbon Tetrachloride	7.00	117	3191433	10.228	ppbv	99
36) Benzene	6.88	78	3553979	9.448	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2144184	9.812	ppbv	99
38) Trichloroethene	7.82	130	1500455	8.391	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1382655	9.891	ppbv	98
40) 1,4-Dioxane	7.82	88	308960	8.060	ppbv	# 1
41) Tetrahydrofuran	6.04	42	832438	9.905	ppbv	99
42) Bromodichloromethane	7.78	83	3055312	10.134	ppbv	97
43) Methyl Methacrylate	8.00	69	1315692	10.127	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5948452	9.391	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	975006	8.506	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1237953	7.895	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1533862	9.618	ppbv	99
48) Dibromochloromethane	10.29	129	2772878	11.015	ppbv	99
49) Bromoform	13.02	173	2269848	12.102	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2552883	10.273	ppbv	99
51) 2-Hexanone	10.12	43	1336865	11.057	ppbv #	99
52) Tetrachloroethene	11.21	164	1476913	8.449	ppbv	95
53) Toluene	9.79	91	4306291	9.583	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2285865	9.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1904724	10.155	ppbv	96
57) Chlorobenzene	12.13	112	3281518	9.432	ppbv	98
58) Ethyl Benzene	12.69	91	5724881	9.694	ppbv	98
59) m/p-Xylene	12.98	91	9775309m	19.532	ppbv	
60) o-Xylene	13.68	91	4667616	9.795	ppbv	99
61) Styrene	13.51	104	2587646	10.521	ppbv	97
62) Isopropylbenzene	14.65	105	6516438	9.617	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3165583	9.977	ppbv	99
64) n-propylbenzene	15.54	120	1749413	10.309	ppbv	98
65) tert-Butylbenzene	16.73	119	5918540	9.848	ppbv	99
66) Benzyl Chloride	16.97	91	248059	9.740	ppbv	96
67) sec-Butylbenzene	17.28	105	7854590	9.801	ppbv	100
69) p-Isopropyltoluene	17.63	119	6830917	10.091	ppbv	99
70) n-Butylbenzene	18.54	91	6480442	10.344	ppbv	99
71) 2-Chlorotoluene	15.44	91	4771748	10.072	ppbv	99
72) 4-Ethyltoluene	15.82	105	5684089	10.499	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5154586	9.850	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	5351830	9.926	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	3220798	9.824	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3128611	9.554	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3096890	9.765	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2041594	7.487	ppbv	100
79) Naphthalene	22.18	128	3901068	8.678	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	968806	8.217	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2277907	8.781	ppbv	98

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

