

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037143.D
 Acq On : 8 Jun 2021 22:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:24:05 PM

Quant Time: Jun 09 03:30:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1338334	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4040990	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3724738m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2986373	10.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2320446	10.220	ppbv	100
3) Chlorodifluoromethane	2.98	51	2719518	11.092	ppbv	97
4) Chloromethane	3.13	50	948230	11.365	ppbv	100
5) Vinyl Chloride	3.25	62	1019900	11.183	ppbv	97
6) Bromomethane	3.47	94	590176	12.281	ppbv	98
7) Chloroethane	3.55	64	357208	12.063	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2551299	11.968	ppbv	97
9) Propene	3.01	41	864030	9.841	ppbv	98
10) Heptane	8.12	43	2231881	10.200	ppbv	99
11) Trichlorofluoromethane	3.94	101	2635857	12.543	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1825544	12.195	ppbv	96
13) Ethanol	3.61	45	98612	8.418	ppbv	92
14) Bromoethene	3.74	108	799242	12.122	ppbv	99
15) Acetone	3.85	43	1352990	9.870	ppbv	97
16) 1,3-Butadiene	3.32	39	975971	11.460	ppbv	99
17) tert-Butyl alcohol	4.29	59	1447285	11.526	ppbv	98
18) 1,1-Dichloroethene	4.29	96	810258	11.706	ppbv	96
19) Isopropyl Alcohol	3.96	45	880877	11.954	ppbv	# 35
20) Methylene Chloride	4.34	84	673053	9.160	ppbv	98
21) Allyl Chloride	4.41	41	1169466	11.309	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	835165	12.590	ppbv	97
23) Vinyl Acetate	5.07	43	2511133	11.541	ppbv	# 98
24) 1,1-Dichloroethane	5.01	63	1815446	11.592	ppbv	99
25) Ethyl Acetate	5.67	43	3519916	10.686	ppbv	100
26) Hexane	5.68	57	1679631	9.981	ppbv	97
27) Carbon Disulfide	4.55	76	1886048	11.121	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2151358	10.666	ppbv	99
29) Chloroform	5.75	83	2761830	11.617	ppbv	99
30) Cyclohexane	7.13	84	1509137	10.553	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1711205	11.342	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2871723	11.249	ppbv	99
34) 2-Butanone	5.24	43	1674178	11.378	ppbv	99
35) Carbon Tetrachloride	7.01	117	3058074	11.390	ppbv	98
36) Benzene	6.89	78	3544655	10.184	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2102554	12.184	ppbv	98
38) Trichloroethene	7.83	130	1524615	10.239	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1349270	10.063	ppbv	97
40) 1,4-Dioxane	7.83	88	339751	10.731	ppbv	# 100
41) Tetrahydrofuran	6.05	42	818911	9.772	ppbv	97
42) Bromodichloromethane	7.79	83	2920169	11.185	ppbv	98
43) Methyl Methacrylate	8.01	69	1280586	10.674	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5792850	9.701	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1279591	13.961	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1597933	12.962	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1526068	10.874	ppbv	98
48) Dibromochloromethane	10.30	129	2724147	11.988	ppbv	99
49) Bromoform	13.04	173	2256606	12.025	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2535273	10.442	ppbv	99
51) 2-Hexanone	10.14	43	1326283	10.332	ppbv #	97
52) Tetrachloroethene	11.22	164	1488777	10.756	ppbv	98
53) Toluene	9.81	91	4261006	10.288	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2299712	11.526	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1847469	11.788	ppbv #	56
57) Chlorobenzene	12.15	112	3289445	11.390	ppbv	99
58) Ethyl Benzene	12.71	91	5720978	10.882	ppbv	99
59) m/p-Xylene	12.99	91	9660771m	22.232	ppbv	
60) o-Xylene	13.69	91	4636224	11.187	ppbv	98
61) Styrene	13.53	104	2692004	11.530	ppbv	98
62) Isopropylbenzene	14.66	105	6404392	10.752	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3101140	10.019	ppbv	99
64) n-propylbenzene	15.56	120	1748525	11.378	ppbv	99
65) tert-Butylbenzene	16.74	119	5834498	10.856	ppbv	99
66) Benzyl Chloride	16.99	91	300546	10.078	ppbv	95
67) sec-Butylbenzene	17.29	105	7780036	10.611	ppbv	99
69) p-Isopropyltoluene	17.65	119	6780952	10.757	ppbv	99
70) n-Butylbenzene	18.55	91	6367695	10.633	ppbv	99
71) 2-Chlorotoluene	15.45	91	4734876	11.006	ppbv	99
72) 4-Ethyltoluene	15.84	105	5551721	11.287	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5087404	11.014	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	5308800	11.115	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3300195	11.316	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3191368	10.823	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3133072	10.721	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2039492	8.679	ppbv	100
79) Naphthalene	22.19	128	3942171	10.520	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	936244	11.489	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2288694	10.019	ppbv	98

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

