

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052521\
 Data File : VL037055.D
 Acq On : 25 May 2021 9:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:31:23 AM

Quant Time: May 26 01:17:27 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	5.65	49	1217399	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3680004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3521726m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2583414	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	2020747	9.785	ppbv	100
3) Chlorodifluoromethane	2.97	51	2528818	11.338	ppbv	97
4) Chloromethane	3.12	50	867950	11.436	ppbv	98
5) Vinyl Chloride	3.24	62	933686	11.255	ppbv	99
6) Bromomethane	3.46	94	515277	11.788	ppbv	95
7) Chloroethane	3.54	64	342570	12.718	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2300798	11.865	ppbv	96
9) Propene	3.00	41	828048	10.368	ppbv	98
10) Heptane	8.10	43	2114583	10.624	ppbv	99
11) Trichlorofluoromethane	3.93	101	2449172	12.812	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1716435	12.606	ppbv	97
13) Ethanol	3.60	45	111495m	10.463	ppbv	
14) Bromoethene	3.72	108	738479	12.313	ppbv	99
15) Acetone	3.84	43	1229595	9.861	ppbv	96
16) 1,3-Butadiene	3.31	39	920310	11.880	ppbv	97
17) tert-Butyl alcohol	4.28	59	1351286	11.831	ppbv	98
18) 1,1-Dichloroethene	4.27	96	760947	12.086	ppbv	94
19) Isopropyl Alcohol	3.95	45	820595	12.242	ppbv	# 33
20) Methylene Chloride	4.33	84	662830	9.916	ppbv	96
21) Allyl Chloride	4.39	41	1066797	11.341	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	764292	12.666	ppbv	99
23) Vinyl Acetate	5.06	43	2215129	11.192	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1693176	11.885	ppbv	99
25) Ethyl Acetate	5.66	43	3283113	10.957	ppbv	99
26) Hexane	5.67	57	1593322	10.409	ppbv	99
27) Carbon Disulfide	4.53	76	1770366	11.476	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2031197	11.070	ppbv	98
29) Chloroform	5.73	83	2570391	11.886	ppbv	96
30) Cyclohexane	7.11	84	1424307	10.950	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1570662	11.445	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2665048	11.476	ppbv	98
34) 2-Butanone	5.23	43	1525739	11.386	ppbv	100
35) Carbon Tetrachloride	7.00	117	2831103	11.579	ppbv	100
36) Benzene	6.87	78	3305584	10.428	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1940818	12.350	ppbv	99
38) Trichloroethene	7.82	130	1422644	10.492	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1267599	10.381	ppbv	98
40) 1,4-Dioxane	7.82	88	285755	9.911	ppbv	# 100
41) Tetrahydrofuran	6.03	42	767635	10.058	ppbv	98
42) Bromodichloromethane	7.77	83	2748910	11.562	ppbv	99
43) Methyl Methacrylate	7.99	69	1214717	11.119	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5473795	10.065	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	939032	11.250	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1227399	10.933	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1405477	10.998	ppbv	95
48) Dibromochloromethane	10.28	129	2529303	12.223	ppbv	100
49) Bromoform	13.02	173	2093851	12.252	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2384669	10.785	ppbv	98
51) 2-Hexanone	10.12	43	1281829	10.966	ppbv #	95
52) Tetrachloroethene	11.20	164	1362769	10.812	ppbv	97
53) Toluene	9.79	91	3987497	10.572	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2095450	11.533	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1720057	11.608	ppbv #	56
57) Chlorobenzene	12.13	112	3029422	11.094	ppbv	99
58) Ethyl Benzene	12.69	91	5310913	10.685	ppbv	100
59) m/p-Xylene	12.97	91	8976892m	21.849	ppbv	
60) o-Xylene	13.67	91	4265520	10.886	ppbv	99
61) Styrene	13.51	104	2484251	11.253	ppbv	98
62) Isopropylbenzene	14.65	105	6048306	10.740	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2885928	9.861	ppbv	99
64) n-propylbenzene	15.54	120	1639054	11.280	ppbv	98
65) tert-Butylbenzene	16.72	119	5543683	10.909	ppbv	99
66) Benzyl Chloride	16.97	91	238966	8.475	ppbv	100
67) sec-Butylbenzene	17.28	105	7436249	10.727	ppbv	100
69) p-Isopropyltoluene	17.63	119	6610313	11.090	ppbv	99
70) n-Butylbenzene	18.53	91	6372932	11.255	ppbv	99
71) 2-Chlorotoluene	15.43	91	4416046	10.857	ppbv	98
72) 4-Ethyltoluene	15.82	105	5305170	11.407	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4846886	11.098	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5045902	11.174	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3136777	11.375	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	3106731	11.143	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3054595	11.055	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2229679	10.036	ppbv	99
79) Naphthalene	22.17	128	4415902	12.463	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	1092141	14.175	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2532251	11.724	ppbv	99

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

