

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037314.D
 Acq On : 4 Aug 2021 18:05
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:39:48 PM

Quant Time: Aug 04 22:30:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:30:52 2021
 QLast Update : Wed Aug 04 22:14:21 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1273738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4093301	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3752854	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2388887	9.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	489142	2.022	ppbv	98
3) Chlorodifluoromethane	2.98	51	573768	2.199	ppbv	99
4) Chloromethane	3.13	50	210943	2.280	ppbv	98
5) Vinyl Chloride	3.25	62	223081	2.210	ppbv	97
6) Bromomethane	3.47	94	133058	2.500	ppbv	100
7) Chloroethane	3.55	64	77790	2.493	ppbv	89
8) Dichlorotetrafluoroethane	3.18	85	553465	2.341	ppbv	100
9) Propene	3.00	41	198699	2.145	ppbv	96
10) Heptane	8.11	43	495011	2.240	ppbv	98
11) Trichlorofluoromethane	3.94	101	521960	2.199	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	386132	2.224	ppbv	99
13) Ethanol	3.62	45	31076m	3.392	ppbv	
14) Bromoethene	3.73	108	173479	2.266	ppbv	98
15) Acetone	3.85	43	329687	2.346	ppbv #	77
16) 1,3-Butadiene	3.32	39	200474	2.236	ppbv	99
17) tert-Butyl alcohol	4.31	59	294584	2.681	ppbv	98
18) 1,1-Dichloroethene	4.28	96	171624	2.186	ppbv	95
19) Isopropyl Alcohol	3.99	45	159256	2.252	ppbv #	92
20) Methylene Chloride	4.34	84	283240	2.442	ppbv	98
21) Allyl Chloride	4.41	41	249364	2.606	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	165537	2.283	ppbv	95
23) Vinyl Acetate	5.07	43	486311	2.316	ppbv	97
24) 1,1-Dichloroethane	5.01	63	391008	2.229	ppbv	98
25) Ethyl Acetate	5.68	43	820912	2.537	ppbv #	97
26) Hexane	5.68	57	481411	2.354	ppbv	91
27) Carbon Disulfide	4.55	76	370446	2.255	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	490660	2.382	ppbv	100
29) Chloroform	5.74	83	568623	2.199	ppbv	100
30) Cyclohexane	7.12	84	344766	2.453	ppbv	90
31) cis-1,2-Dichloroethene	5.54	61	353830	2.482	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	539566m	2.348	ppbv	
34) 2-Butanone	5.25	43	315909	2.190	ppbv	92
35) Carbon Tetrachloride	7.01	117	546882	2.164	ppbv	96
36) Benzene	6.88	78	822009	2.211	ppbv	99
37) 1,2-Dichloroethane	6.29	62	371219	2.140	ppbv	99
38) Trichloroethene	7.82	130	340816	2.131	ppbv	95
39) 1,2-Dichloropropane	7.60	63	297601	2.476	ppbv	99
40) 1,4-Dioxane	7.86	88	83823m	4.549	ppbv	
41) Tetrahydrofuran	6.06	42	173543	2.870	ppbv	97
42) Bromodichloromethane	7.78	83	571861	2.199	ppbv #	91
43) Methyl Methacrylate	8.01	69	267438	2.328	ppbv	98

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44) 2,2,4-Trimethylpentane	7.86	57	1365432	2.220	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	225193	2.419	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	314575	2.186	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	321828	2.465	ppbv	95
48) Dibromochloromethane	10.29	129	480055	2.164	ppbv	99
49) Bromoform	13.02	173	360531	2.114	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	497871	2.399	ppbv	99
51) 2-Hexanone	10.16	43	239569m	3.458	ppbv	
52) Tetrachloroethene	11.21	164	329310m	2.456	ppbv	
53) Toluene	9.79	91	959716	2.184	ppbv	99
54) 1,2-Dibromoethane	10.60	107	435643	2.292	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	350804	2.137	ppbv #	1
57) Chlorobenzene	12.13	112	664579	2.085	ppbv	94
58) Ethyl Benzene	12.70	91	1182218	2.137	ppbv	96
59) m/p-Xylene	12.98	91	2092943m	6.897	ppbv	
60) o-Xylene	13.68	91	934703	2.185	ppbv	97
61) Styrene	13.52	104	498401	2.126	ppbv	99
62) Isopropylbenzene	14.65	105	1354873m	2.472	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	651939m	2.558	ppbv	
64) n-propylbenzene	15.55	120	348364	2.150	ppbv	91
65) tert-Butylbenzene	16.73	119	1278664	2.480	ppbv	100
66) Benzyl Chloride	16.97	91	38461m	0.367	ppbv	
67) sec-Butylbenzene	17.28	105	1722316	2.506	ppbv	99
69) p-Isopropyltoluene	17.64	119	1456695	2.260	ppbv	99
70) n-Butylbenzene	18.54	91	1329018	2.257	ppbv	99
71) 2-Chlorotoluene	15.44	91	938806	2.165	ppbv	100
72) 4-Ethyltoluene	15.82	105	1122355	2.193	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	1023181	2.214	ppbv	96
74) 1,2,4-Trimethylbenzene	16.75	105	1114242	2.258	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	677333	2.227	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	631485	2.156	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	649806	2.238	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	587204	2.560	ppbv	99
79) Naphthalene	22.18	128	1052005	2.500	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	167860	2.529	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	588598	2.701	ppbv	100

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

