

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037096.D
 Acq On : 2 Jun 2021 8:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:59:44 PM

Quant Time: Jun 02 19:07:27 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	1426912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4330285	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4062274m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3186721	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2284635	9.438	ppbv	99
3) Chlorodifluoromethane	2.98	51	2612768	9.995	ppbv	96
4) Chloromethane	3.12	50	874182	9.827	ppbv	98
5) Vinyl Chloride	3.24	62	961908	9.893	ppbv	98
6) Bromomethane	3.46	94	576394	11.250	ppbv	100
7) Chloroethane	3.54	64	348921	11.052	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2456689	10.809	ppbv	96
9) Propene	3.00	41	796549	8.509	ppbv	96
10) Heptane	8.10	43	2139818	9.173	ppbv	100
11) Trichlorofluoromethane	3.93	101	2624332	11.713	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1811905	11.353	ppbv	96
13) Ethanol	3.60	45	97274	7.788	ppbv	98
14) Bromoethene	3.73	108	773192	10.999	ppbv	99
15) Acetone	3.84	43	1278969	8.751	ppbv	97
16) 1,3-Butadiene	3.31	39	936840	10.317	ppbv	96
17) tert-Butyl alcohol	4.28	59	1346197	10.055	ppbv	98
18) 1,1-Dichloroethene	4.27	96	801293	10.858	ppbv	98
19) Isopropyl Alcohol	3.95	45	787367	10.022	ppbv #	35
20) Methylene Chloride	4.33	84	634682	8.101	ppbv	97
21) Allyl Chloride	4.40	41	1138948	10.330	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	809288	11.442	ppbv	98
23) Vinyl Acetate	5.06	43	2131014	9.186	ppbv #	99
24) 1,1-Dichloroethane	5.00	63	1793637	10.742	ppbv	100
25) Ethyl Acetate	5.66	43	3304636	9.409	ppbv	100
26) Hexane	5.67	57	1603540	8.938	ppbv	97
27) Carbon Disulfide	4.53	76	1820051	10.065	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2051904	9.541	ppbv	99
29) Chloroform	5.74	83	2683106	10.585	ppbv	97
30) Cyclohexane	7.11	84	1431183	9.387	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1636076	10.171	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2764648	10.157	ppbv	99
34) 2-Butanone	5.23	43	1584946	10.052	ppbv	100
35) Carbon Tetrachloride	7.00	117	2974937	10.340	ppbv	98
36) Benzene	6.87	78	3417718	9.163	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2023254	10.941	ppbv	99
38) Trichloroethene	7.82	130	1464289	9.177	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1284618	8.941	ppbv	95
40) 1,4-Dioxane	7.82	88	317445	9.357	ppbv #	100
41) Tetrahydrofuran	6.03	42	785552	8.747	ppbv	98
42) Bromodichloromethane	7.77	83	2869603	10.257	ppbv	99
43) Methyl Methacrylate	8.00	69	1235968	9.614	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5563128	8.693	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1181184	12.026	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1500672	11.360	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1478682	9.833	ppbv	99
48) Dibromochloromethane	10.28	129	2633803	10.817	ppbv	100
49) Bromoform	13.02	173	2185136	10.866	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2415684	9.284	ppbv	98
51) 2-Hexanone	10.12	43	1282837	9.326	ppbv #	94
52) Tetrachloroethene	11.20	164	1451098	9.784	ppbv	96
53) Toluene	9.79	91	4146766	9.343	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2231501	10.437	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1786507	10.452	ppbv #	56
57) Chlorobenzene	12.13	112	3174241	10.078	ppbv	98
58) Ethyl Benzene	12.69	91	5539199	9.661	ppbv	99
59) m/p-Xylene	12.98	91	9350429m	19.730	ppbv	
60) o-Xylene	13.67	91	4448744	9.842	ppbv	100
61) Styrene	13.51	104	2592335	10.180	ppbv	97
62) Isopropylbenzene	14.65	105	6271344	9.654	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3030979	8.979	ppbv	99
64) n-propylbenzene	15.54	120	1691181	10.090	ppbv	99
65) tert-Butylbenzene	16.73	119	5733655	9.782	ppbv	99
66) Benzyl Chloride	16.97	91	267956	8.239	ppbv	95
67) sec-Butylbenzene	17.27	105	7621022	9.531	ppbv	100
69) p-Isopropyltoluene	17.63	119	6611592	9.616	ppbv	99
70) n-Butylbenzene	18.53	91	6240153	9.554	ppbv	99
71) 2-Chlorotoluene	15.43	91	4612866	9.832	ppbv	98
72) 4-Ethyltoluene	15.82	105	5521765	10.293	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4991413	9.908	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	5197253	9.978	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3165629	9.952	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3150452	9.796	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3109093	9.755	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1938276	7.563	ppbv	99
79) Naphthalene	22.17	128	3855568	9.434	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1032542	11.618	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2284931	9.171	ppbv	96

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

