

Data File : VL037044.D
Acq On : 24 May 2021 10:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:21 PM

Quant Time: May 25 02:13:58 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 12:00:15 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	1380898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4077211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3872608m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2904860	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	2382097	10.169	ppbv	100
3) Chlorodifluoromethane	2.97	51	2604827	10.296	ppbv	99
4) Chloromethane	3.12	50	896220	10.411	ppbv	94
5) Vinyl Chloride	3.24	62	979940	10.414	ppbv	99
6) Bromomethane	3.46	94	534238	10.774	ppbv	100
7) Chloroethane	3.54	64	350264	11.464	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2440751	11.097	ppbv	99
9) Propene	2.99	41	902010	9.957	ppbv	99
10) Heptane	8.10	43	2246826	9.952	ppbv	99
11) Trichlorofluoromethane	3.93	101	2452542	11.311	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1704756	11.038	ppbv	98
13) Ethanol	3.60	45	109455m	9.056	ppbv	
14) Bromoethene	3.72	108	757931	11.141	ppbv	99
15) Acetone	3.83	43	1265842	8.950	ppbv	97
16) 1,3-Butadiene	3.31	39	938096	10.675	ppbv	100
17) tert-Butyl alcohol	4.27	59	1339989	10.343	ppbv	98
18) 1,1-Dichloroethene	4.27	96	787294	11.023	ppbv	96
19) Isopropyl Alcohol	3.95	45	737939	9.706	ppbv #	33
20) Methylene Chloride	4.32	84	678875	8.954	ppbv	97
21) Allyl Chloride	4.39	41	1128405	10.575	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	780591	11.404	ppbv	98
23) Vinyl Acetate	5.05	43	2398258	10.683	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1769825	10.952	ppbv	99
25) Ethyl Acetate	5.66	43	3437432	10.114	ppbv	99
26) Hexane	5.66	57	1702886	9.808	ppbv	99
27) Carbon Disulfide	4.53	76	1839081	10.510	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2117927	10.176	ppbv	100
29) Chloroform	5.73	83	2618372	10.674	ppbv	97
30) Cyclohexane	7.11	84	1478459	10.020	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1643316	10.556	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2708552	10.283	ppbv	99
34) 2-Butanone	5.22	43	1631196	10.987	ppbv	99
35) Carbon Tetrachloride	7.00	117	2833148	10.458	ppbv	99
36) Benzene	6.87	78	3519480	10.021	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1948755	11.192	ppbv	99
38) Trichloroethene	7.81	130	1452006	9.665	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1335118	9.869	ppbv	97
40) 1,4-Dioxane	7.81	88	312307	9.777	ppbv #	100
41) Tetrahydrofuran	6.03	42	813837	9.625	ppbv	96
42) Bromodichloromethane	7.77	83	2831894	10.751	ppbv	100
43) Methyl Methacrylate	8.00	69	1282751	10.597	ppbv	99

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Quant Time: May 25 02:13:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
44) 2,2,4-Trimethylpentane	7.84	57	5765552	9.569	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1029450	11.132	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1327139	10.670	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1468471	10.371	ppbv	97
48) Dibromochloromethane	10.28	129	2581218	11.259	ppbv	100
49) Bromoform	13.02	173	2167350	11.447	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2532778	10.339	ppbv	100
51) 2-Hexanone	10.11	43	1355121	10.463	ppbv #	97
52) Tetrachloroethene	11.19	164	1427373	10.221	ppbv	95
53) Toluene	9.78	91	4186899	10.019	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2169814	10.779	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1743040	10.697	ppbv #	56
57) Chlorobenzene	12.12	112	3089644	10.289	ppbv	99
58) Ethyl Benzene	12.69	91	5571269	10.193	ppbv	99
59) m/p-Xylene	12.97	91	9238807m	20.449	ppbv	
60) o-Xylene	13.67	91	4398149	10.207	ppbv	99
61) Styrene	13.50	104	2586724	10.656	ppbv	98
62) Isopropylbenzene	14.64	105	6205770	10.021	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3021318	9.388	ppbv	99
64) n-propylbenzene	15.54	120	1702530	10.656	ppbv	100
65) tert-Butylbenzene	16.72	119	5669586	10.146	ppbv	99
66) Benzyl Chloride	16.97	91	295262	9.523	ppbv	98
67) sec-Butylbenzene	17.27	105	7675377	10.069	ppbv	100
69) p-Isopropyltoluene	17.63	119	6761398	10.316	ppbv	99
70) n-Butylbenzene	18.53	91	6588218	10.581	ppbv	100
71) 2-Chlorotoluene	15.43	91	4606236	10.298	ppbv	99
72) 4-Ethyltoluene	15.82	105	5399088	10.557	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4995161	10.401	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5193607	10.459	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	3174276	10.468	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	3146912	10.265	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3183285	10.477	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2271655	9.298	ppbv	99
79) Naphthalene	22.17	128	4557872	11.698	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1005067	11.863	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2632902	11.085	ppbv	99

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

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