

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037563.D
 Acq On : 8 Sep 2021 8:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:52:07 AM

Quant Time: Sep 09 09:10:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.671	49	1832092	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	5368246	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	4987291m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.420	95	3783809	10.679	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.800%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	3.051	85	2973997	10.117	ppbv	98
3) Chlorodifluoromethane	2.989	51	3166820	9.027	ppbv	99
4) Chloromethane	3.141	50	1223580	9.760	ppbv	92
5) Vinyl Chloride	3.260	62	1207028	9.398	ppbv	97
6) Bromomethane	3.475	94	633432	9.003	ppbv	98
7) Chloroethane	3.562	64	421638	9.618	ppbv	93
8) Dichlorotetrafluoroethane	3.189	85	2762101	9.102	ppbv	100
9) Propene	3.012	41	1177961	9.384	ppbv	100
10) Heptane	8.127	43	2934980	10.158	ppbv	98
11) Trichlorofluoromethane	3.954	101	2489924	9.024	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.488	101	1838702	9.081	ppbv	98
13) Ethanol	3.610	45	117490m	9.619	ppbv	
14) Bromoethene	3.742	108	859867	9.354	ppbv	100
15) Acetone	3.851	43	1502182	8.057	ppbv	99
16) 1,3-Butadiene	3.330	39	1169862	9.781	ppbv	96
17) tert-Butyl alcohol	4.288	59	1608912	9.446	ppbv	99
18) 1,1-Dichloroethene	4.295	96	838153	9.113	ppbv	98
19) Isopropyl Alcohol	3.967	45	938045	8.782	ppbv #	94
20) Methylene Chloride	4.346	84	686750	7.356	ppbv	95
21) Allyl Chloride	4.414	41	1352142	8.929	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	863894	9.414	ppbv	94
23) Vinyl Acetate	5.076	43	2683435	9.764	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1740530	8.732	ppbv	99
25) Ethyl Acetate	5.681	43	4528205	9.567	ppbv	100
26) Hexane	5.690	57	2137347	9.235	ppbv	100
27) Carbon Disulfide	4.555	76	2033280	9.859	ppbv	100
28) Methyl tert-Butyl Ether	5.041	73	1769397	7.961	ppbv	98
29) Chloroform	5.758	83	3077951	9.385	ppbv	99
30) Cyclohexane	7.137	84	1861517	9.654	ppbv	99
31) cis-1,2-Dichloroethene	5.555	61	1996948	9.534	ppbv	98
32) 1,1,1-Trichloroethane	6.517	97	2905370	9.016	ppbv	99
34) 2-Butanone	5.247	43	2045659	9.332	ppbv	97
35) Carbon Tetrachloride	7.025	117	3070516	9.678	ppbv	99
36) Benzene	6.896	78	4483332	9.935	ppbv	99
37) 1,2-Dichloroethane	6.311	62	2166947	9.694	ppbv	100
38) Trichloroethene	7.841	130	1785199	9.642	ppbv	97
39) 1,2-Dichloropropane	7.619	63	1726610	9.957	ppbv	99
40) 1,4-Dioxane	7.835	88	395960	9.320	ppbv #	100
41) Tetrahydrofuran	6.057	42	1067217	10.106	ppbv	98
42) Bromodichloromethane	7.796	83	3233661	9.893	ppbv	96
43) Methyl Methacrylate	8.018	69	1601109	10.180	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	7405307	9.750	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1439661	12.159	ppbv	95

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46) cis-1,3-Dichloropropene	8.709	75	1888510	11.434	ppbv	97
47) 1,1,2-Trichloroethane	9.481	97	1867493	9.967	ppbv	99
48) Dibromochloromethane	10.311	129	2885304	10.701	ppbv	100
49) Bromoform	13.047	173	2409804	11.338	ppbv	97
50) 4-Methyl-2-Pentanone	8.748	43	3049816	10.664	ppbv	98
51) 2-Hexanone	10.137	43	1517465	11.536	ppbv #	95
52) Tetrachloroethene	11.230	164	1660204	8.978	ppbv	98
53) Toluene	9.809	91	5235169	10.160	ppbv	100
54) 1,2-Dibromoethane	10.616	107	2599917	9.940	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.134	131	2003708	9.642	ppbv #	60
57) Chlorobenzene	12.156	112	3841507	9.282	ppbv	96
58) Ethyl Benzene	12.716	91	6588168	9.519	ppbv	100
59) m/p-Xylene	12.999	91	11230580m	18.718	ppbv	
60) o-Xylene	13.696	91	5208521	9.301	ppbv	99
61) Styrene	13.532	104	3070561	10.555	ppbv	99
62) Isopropylbenzene	14.674	105	7321879	9.264	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	3920614	9.420	ppbv	98
64) n-propylbenzene	15.561	120	2024567	10.066	ppbv	92
65) tert-Butylbenzene	16.748	119	6583554	9.146	ppbv	99
66) Benzyl Chloride	16.989	91	452282	13.890	ppbv #	94
67) sec-Butylbenzene	17.298	105	9101034	9.049	ppbv	99
69) p-Isopropyltoluene	17.654	119	7663389	9.350	ppbv	100
70) n-Butylbenzene	18.555	91	7570850	9.666	ppbv	99
71) 2-Chlorotoluene	15.455	91	5507377	9.502	ppbv	100
72) 4-Ethyltoluene	15.844	105	6462656	9.702	ppbv	100
73) 1,3,5-Trimethylbenzene	16.002	105	5770284	9.307	ppbv	96
74) 1,2,4-Trimethylbenzene	16.767	105	5990739	9.092	ppbv	92
75) 1,3-Dichlorobenzene	16.999	146	3756094	9.471	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	3633840	9.096	ppbv	97
77) 1,2-Dichlorobenzene	17.822	146	3673599	9.407	ppbv	99
78) Hexachloro-1,3-Butadiene	23.381	225	2732312m	8.415	ppbv	
79) Naphthalene	22.194	128	4763798	10.804	ppbv #	95
80) Naphthalene,2-methyl-	24.969	142	1443939	11.755	ppbv	98
81) 1,2,4-Trichlorobenzene	21.931	180	2816143	10.178	ppbv	100

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

