

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037483.D
 Acq On : 17 Aug 2021 5:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:58 PM

Quant Time: Aug 17 08:21:46 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 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1455653	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4282210	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4001128m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2904417	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2203346	9.434	ppbv	98
3) Chlorodifluoromethane	2.98	51	2507080	8.994	ppbv	99
4) Chloromethane	3.13	50	931197	9.349	ppbv	96
5) Vinyl Chloride	3.25	62	953654	9.345	ppbv	98
6) Bromomethane	3.46	94	444554	7.953	ppbv	100
7) Chloroethane	3.55	64	333240	9.568	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2220164	9.208	ppbv	100
9) Propene	3.00	41	876610	8.790	ppbv	100
10) Heptane	8.11	43	2226142	9.697	ppbv	98
11) Trichlorofluoromethane	3.94	101	2043717	9.322	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1428923	8.882	ppbv	99
13) Ethanol	3.60	45	72641	7.485	ppbv	86
14) Bromoethene	3.73	108	661964	9.064	ppbv	98
15) Acetone	3.84	43	1139116	7.689	ppbv	99
16) 1,3-Butadiene	3.32	39	901704	9.489	ppbv	99
17) tert-Butyl alcohol	4.28	59	1269048	9.377	ppbv	99
18) 1,1-Dichloroethene	4.28	96	663015	9.073	ppbv	97
19) Isopropyl Alcohol	3.96	45	747521	8.808	ppbv #	95
20) Methylene Chloride	4.33	84	566007	7.631	ppbv	97
21) Allyl Chloride	4.40	41	1006516	8.365	ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	635926	8.722	ppbv	97
23) Vinyl Acetate	5.06	43	2186000	10.011	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1656862	10.462	ppbv	99
25) Ethyl Acetate	5.66	43	3438545	9.143	ppbv	99
26) Hexane	5.67	57	1665890	9.060	ppbv	98
27) Carbon Disulfide	4.54	76	1589236	9.698	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1834625	10.389	ppbv	99
29) Chloroform	5.74	83	2422833	9.297	ppbv	99
30) Cyclohexane	7.12	84	1390536	9.076	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1544516	9.281	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2362734	9.228	ppbv	99
34) 2-Butanone	5.23	43	1526116	8.727	ppbv	96
35) Carbon Tetrachloride	7.01	117	2477858	9.791	ppbv	100
36) Benzene	6.88	78	3418298	9.496	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1762936	9.887	ppbv	100
38) Trichloroethene	7.82	130	1395289	9.447	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1321952	9.557	ppbv	98
40) 1,4-Dioxane	7.82	88	297706	8.785	ppbv #	100
41) Tetrahydrofuran	6.04	42	795703	9.446	ppbv	98
42) Bromodichloromethane	7.78	83	2605828	9.994	ppbv	97
43) Methyl Methacrylate	8.00	69	1229437	9.799	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5683270	9.381	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	829243	8.779	ppbv	93
46) cis-1,3-Dichloropropene	8.69	75	1117690	8.483	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1398782	9.359	ppbv	99
48) Dibromochloromethane	10.29	129	2275243	10.578	ppbv	99
49) Bromoform	13.03	173	1874312	11.055	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	2287475	10.027	ppbv	99
51) 2-Hexanone	10.12	43	1087849	10.367	ppbv #	98
52) Tetrachloroethene	11.21	164	1271168	8.617	ppbv	99
53) Toluene	9.79	91	4023269	9.788	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2013310	9.649	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1561791	9.368	ppbv	97
57) Chlorobenzene	12.13	112	2972785	8.953	ppbv	99
58) Ethyl Benzene	12.69	91	5257848	9.469	ppbv	99
59) m/p-Xylene	12.98	91	8837563m	18.360	ppbv	
60) o-Xylene	13.68	91	4154594	9.247	ppbv	98
61) Styrene	13.51	104	2347314	10.058	ppbv	99
62) Isopropylbenzene	14.65	105	5883812	9.279	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2986528	8.944	ppbv	98
64) n-propylbenzene	15.55	120	1564538	9.696	ppbv	96
65) tert-Butylbenzene	16.73	119	5204292	9.012	ppbv	100
66) Benzyl Chloride	16.97	91	277165	10.610	ppbv	99
67) sec-Butylbenzene	17.28	105	7244929	8.979	ppbv	100
69) p-Isopropyltoluene	17.64	119	6093277	9.267	ppbv	100
70) n-Butylbenzene	18.53	91	6007249	9.560	ppbv	99
71) 2-Chlorotoluene	15.44	91	4363862	9.385	ppbv	99
72) 4-Ethyltoluene	15.82	105	5001662	9.360	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4611699	9.271	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4770007	9.024	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2879842	9.051	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2808701	8.763	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	2806527	8.958	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2137800	8.207	ppbv	99
79) Naphthalene	22.17	128	3542914	10.016	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	876622	8.896	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2136703	9.626	ppbv	99

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

