

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036818.D
 Acq On : 20 Apr 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021

Quant Time: Apr 21 06:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1336438	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3475524	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3094771m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2309577	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1908818	8.757 ppbv	98
3) Chlorodifluoromethane	2.99	51	2481391	9.938 ppbv	100
4) Chloromethane	3.14	50	891223	10.105 ppbv	98
5) Vinyl Chloride	3.26	62	883809	9.746 ppbv	93
6) Bromomethane	3.47	94	511171	10.238 ppbv	99
7) Chloroethane	3.56	64	317471	10.188 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2103842	10.113 ppbv	99
9) Propene	3.01	41	833283	10.468 ppbv	99
10) Heptane	8.13	43	2127741	10.492 ppbv	99
11) Trichlorofluoromethane	3.95	101	2139900	9.633 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1453075	10.231 ppbv	99
13) Ethanol	3.61	45	103952	10.966 ppbv	99
14) Bromoethene	3.74	108	615459	10.424 ppbv	99
15) Acetone	3.85	43	1274772	9.691 ppbv	100
16) 1,3-Butadiene	3.33	39	921772	10.066 ppbv	99
17) tert-Butyl alcohol	4.29	59	1358829	11.867 ppbv	99
18) 1,1-Dichloroethene	4.29	96	634610	10.045 ppbv	98
19) Isopropyl Alcohol	3.97	45	795732	10.997 ppbv	# 97
20) Methylene Chloride	4.35	84	563934	9.157 ppbv	98
21) Allyl Chloride	4.41	41	1091078	10.406 ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	619887	10.584 ppbv	97
23) Vinyl Acetate	5.08	43	2384311	10.597 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1645539	10.034 ppbv	99
25) Ethyl Acetate	5.68	43	3270451	10.458 ppbv	100
26) Hexane	5.69	57	1527104	10.523 ppbv	99
27) Carbon Disulfide	4.55	76	1599802	11.191 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1883819	11.007 ppbv	99
29) Chloroform	5.76	83	2385399	10.278 ppbv	100
30) Cyclohexane	7.14	84	1302922	11.070 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1520646	10.834 ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2427460	10.378 ppbv	99
34) 2-Butanone	5.25	43	1649921	9.725 ppbv	99
35) Carbon Tetrachloride	7.02	117	2547820	9.544 ppbv	98
36) Benzene	6.90	78	3205125	9.999 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1849586	9.804 ppbv	100
38) Trichloroethene	7.84	130	1155332	9.262 ppbv	94
39) 1,2-Dichloropropane	7.63	63	1244534	9.571 ppbv	94
40) 1,4-Dioxane	7.84	88	318191m	10.514 ppbv	
41) Tetrahydrofuran	6.06	42	770100	9.845 ppbv	94
42) Bromodichloromethane	7.80	83	2586029	10.078 ppbv	100
43) Methyl Methacrylate	8.02	69	1153371	10.716 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5329911	9.448	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1360123	11.066	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1726004	10.986	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1285951	9.764	ppbv	96
48) Dibromochloromethane	10.31	129	2135172	10.635	ppbv	100
49) Bromoform	13.05	173	1744937	10.787	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2484304	10.120	ppbv	100
51) 2-Hexanone	10.15	43	1309286	10.569	ppbv #	98
52) Tetrachloroethene	11.23	164	1101641	9.333	ppbv	98
53) Toluene	9.82	91	3573930	10.470	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1863355	10.019	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1430369	10.219	ppbv	93
57) Chlorobenzene	12.16	112	2642801	10.036	ppbv	98
58) Ethyl Benzene	12.72	91	4746607	10.542	ppbv	100
59) m/p-Xylene	13.00	91	8063303m	20.532	ppbv	
60) o-Xylene	13.70	91	3773808	9.939	ppbv	99
61) Styrene	13.54	104	2201912	11.526	ppbv	99
62) Isopropylbenzene	14.68	105	5171553	10.113	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2731140	9.429	ppbv	100
64) n-propylbenzene	15.57	120	1337633	10.699	ppbv	98
65) tert-Butylbenzene	16.76	119	4519571	10.193	ppbv	99
66) Benzyl Chloride	17.00	91	613233	12.512	ppbv	99
67) sec-Butylbenzene	17.31	105	6315044	10.090	ppbv	100
69) p-Isopropyltoluene	17.67	119	5261664	10.765	ppbv	99
70) n-Butylbenzene	18.56	91	5363824	10.584	ppbv	99
71) 2-Chlorotoluene	15.46	91	3990194	10.414	ppbv	100
72) 4-Ethyltoluene	15.85	105	4466358	10.734	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4082009	10.511	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4202356	10.112	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	2478965	10.598	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2412813	10.389	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2352211	10.698	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1736112	8.816	ppbv	99
79) Naphthalene	22.21	128	2813558	11.602	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	583719	12.206	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1611130	10.761	ppbv	97

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

