

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038079.D
 Acq On : 19 Nov 2021 10:46
 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 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 22 06:54:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	743506	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2199437	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1931186m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1453463	10.43	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1128128	9.186	ppbv	98
3) Chlorodifluoromethane	2.98	51	1510843	9.676	ppbv	100
4) Chloromethane	3.13	50	517525	9.737	ppbv	98
5) Vinyl Chloride	3.25	62	514776	9.872	ppbv	99
6) Bromomethane	3.47	94	270306	9.677	ppbv	94
7) Chloroethane	3.55	64	167622	9.058	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1209889	9.903	ppbv	97
9) Propene	3.01	41	540259	9.395	ppbv	99
10) Heptane	8.10	43	1347839	9.484	ppbv	100
11) Trichlorofluoromethane	3.94	101	1140794	9.767	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	810809	9.813	ppbv	99
13) Ethanol	3.60	45	48769m	8.776	ppbv	
14) Bromoethene	3.73	108	362075	9.786	ppbv	98
15) Acetone	3.84	43	599795	9.304	ppbv	98
16) 1,3-Butadiene	3.32	39	487697	9.697	ppbv	100
17) tert-Butyl alcohol	4.28	59	684178	8.750	ppbv	100
18) 1,1-Dichloroethene	4.28	96	361900	9.548	ppbv	93
19) Isopropyl Alcohol	3.95	45	398347	8.552	ppbv #	98
20) Methylene Chloride	4.33	84	309168	8.563	ppbv	94
21) Allyl Chloride	4.40	41	566560	9.495	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	381542	9.938	ppbv	99
23) Vinyl Acetate	5.06	43	948516	10.164	ppbv	100
24) 1,1-Dichloroethane	5.00	63	766178	9.860	ppbv	98
25) Ethyl Acetate	5.66	43	2066291	9.645	ppbv	99
26) Hexane	5.67	57	973723	9.429	ppbv	97
27) Carbon Disulfide	4.54	76	904532	9.778	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	850203	9.692	ppbv	100
29) Chloroform	5.74	83	1482548	9.741	ppbv	98
30) Cyclohexane	7.11	84	870668	9.287	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	964572	9.819	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1487698	9.632	ppbv	99
34) 2-Butanone	5.23	43	870773	9.819	ppbv	98
35) Carbon Tetrachloride	7.00	117	1534669	9.931	ppbv	98
36) Benzene	6.87	78	2109915	9.617	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1096478	10.348	ppbv	99
38) Trichloroethene	7.82	130	751398	9.079	ppbv	98
39) 1,2-Dichloropropane	7.59	63	821265	9.758	ppbv	98
40) 1,4-Dioxane	7.82	88	195452	8.914	ppbv #	1
41) Tetrahydrofuran	6.03	42	531152	9.648	ppbv	99
42) Bromodichloromethane	7.77	83	1629953	10.118	ppbv	99
43) Methyl Methacrylate	8.00	69	781881	10.417	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3431893	9.349	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	660676	10.973	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	856545	10.518	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	844451	9.580	ppbv	94
48) Dibromochloromethane	10.28	129	1360382	10.135	ppbv	99
49) Bromoform	13.01	173	1004140	10.456	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	1384840	10.282	ppbv	99
51) 2-Hexanone	10.11	43	642038	10.132	ppbv #	98
52) Tetrachloroethene	11.20	164	696538	8.580	ppbv	98
53) Toluene	9.79	91	2408108	9.539	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1204011	9.670	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	870058	9.924	ppbv	96
57) Chlorobenzene	12.12	112	1695311	9.794	ppbv	96
58) Ethyl Benzene	12.69	91	3162095	9.907	ppbv	97
59) m/p-Xylene	12.97	91	5161510m	19.210	ppbv	
60) o-Xylene	13.67	91	2368911	9.504	ppbv	98
61) Styrene	13.50	104	1345434	10.068	ppbv	97
62) Isopropylbenzene	14.64	105	3347374	9.461	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	1681438	9.082	ppbv	99
64) n-propylbenzene	15.54	120	873205	9.688	ppbv	99
65) tert-Butylbenzene	16.72	119	2815793	9.033	ppbv	99
66) Benzyl Chloride	16.97	91	131959	8.353	ppbv	96
67) sec-Butylbenzene	17.27	105	3960430	9.118	ppbv	100
69) p-Isopropyltoluene	17.63	119	3199989	9.418	ppbv	99
70) n-Butylbenzene	18.53	91	3102140	9.549	ppbv	99
71) 2-Chlorotoluene	15.43	91	2488048	9.618	ppbv	98
72) 4-Ethyltoluene	15.82	105	2861846	9.903	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2513428	9.522	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2537737	9.330	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	1424187	9.533	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1421346	9.454	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	1332545	9.212	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	716412	7.932	ppbv	100
79) Naphthalene	22.16	128	1422916	9.934	ppbv	100
80) Naphthalene,2-methyl-	24.95	142	327606	10.672	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	769064	9.343	ppbv	100

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

