

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038315.D
 Acq On : 28 Jan 2022 9:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/29/2022
 Supervised By : Amit Patel 02/02/2022

Quant Time: Jan 29 06:08:11 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	756339	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2030603	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	1715010m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1414540	10.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	1329998	8.260	ppbv	98
3) Chlorodifluoromethane	2.99	51	1444036	9.591	ppbv	100
4) Chloromethane	3.14	50	452430	8.734	ppbv	98
5) Vinyl Chloride	3.26	62	462444	8.945	ppbv	95
6) Bromomethane	3.47	94	167311	5.986	ppbv	92
7) Chloroethane	3.56	64	160394	9.185	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1119977	8.990	ppbv	100
9) Propene	3.01	41	438592	8.948	ppbv	99
10) Heptane	8.11	43	1127322	8.939	ppbv	99
11) Trichlorofluoromethane	3.95	101	1162632	9.269	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	861699	9.088	ppbv	99
13) Ethanol	3.60	45	55781m	10.601	ppbv	
14) Bromoethene	3.74	108	338435	9.135	ppbv	99
15) Acetone	3.84	43	662316	9.934	ppbv	99
16) 1,3-Butadiene	3.33	39	478822	10.008	ppbv	91
17) tert-Butyl alcohol	4.28	59	621210	8.489	ppbv	99
18) 1,1-Dichloroethene	4.29	96	370679	8.990	ppbv	96
19) Isopropyl Alcohol	3.96	45	360474	8.643	ppbv #	98
20) Methylene Chloride	4.34	84	307300	7.925	ppbv	95
21) Allyl Chloride	4.41	41	468927	7.949	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	386495	9.072	ppbv	97
23) Vinyl Acetate	5.06	43	892399	9.206	ppbv	99
24) 1,1-Dichloroethane	5.00	63	793138	9.184	ppbv	100
25) Ethyl Acetate	5.67	43	1636661	8.767	ppbv	99
26) Hexane	5.68	57	792818	9.131	ppbv	95
27) Carbon Disulfide	4.55	76	890955	8.771	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	776874	8.625	ppbv	99
29) Chloroform	5.74	83	1292414	9.119	ppbv	100
30) Cyclohexane	7.12	84	673699	8.911	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	673134	8.887	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1291725	9.125	ppbv	100
34) 2-Butanone	5.24	43	609063	9.172	ppbv	98
35) Carbon Tetrachloride	7.01	117	1312594	9.209	ppbv	96
36) Benzene	6.88	78	1667752	9.285	ppbv	99
37) 1,2-Dichloroethane	6.29	62	988851	9.612	ppbv	100
38) Trichloroethene	7.82	130	577273	8.628	ppbv	91
39) 1,2-Dichloropropane	7.60	63	664541	9.126	ppbv	99
40) 1,4-Dioxane	7.82	88	150101	8.564	ppbv #	1
41) Tetrahydrofuran	6.04	42	379230	8.495	ppbv	99
42) Bromodichloromethane	7.78	83	1424132	9.330	ppbv	99
43) Methyl Methacrylate	8.00	69	641242	10.093	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2890428	9.131	ppbv	97
45) t-1,3-Dichloropropene	9.26	75	202214	3.917	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	351183	5.099	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	656303	9.172	ppbv	98
48) Dibromochloromethane	10.29	129	1121991	9.314	ppbv	98
49) Bromoform	13.02	173	880152	10.135	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1222963	10.324	ppbv	99
51) 2-Hexanone	10.12	43	614575	11.780	ppbv #	99
52) Tetrachloroethene	11.21	164	506802	8.187	ppbv	98
53) Toluene	9.79	91	1832270	9.216	ppbv	100
54) 1,2-Dibromoethane	10.59	107	878486	8.636	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	751061	10.006	ppbv	96
57) Chlorobenzene	12.13	112	1267808	9.238	ppbv	99
58) Ethyl Benzene	12.69	91	2449424	9.718	ppbv	100
59) m/p-Xylene	12.98	91	4092008m	19.029	ppbv	
60) o-Xylene	13.68	91	1945245	9.726	ppbv	99
61) Styrene	13.51	104	923423	9.893	ppbv	99
62) Isopropylbenzene	14.65	105	2688983	10.085	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1482699	10.019	ppbv	100
64) n-propylbenzene	15.55	120	662036	10.322	ppbv	97
65) tert-Butylbenzene	16.73	119	2299630	10.472	ppbv	99
66) Benzyl Chloride	16.97	91	35631m	3.572	ppbv	
67) sec-Butylbenzene	17.28	105	3201307	10.479	ppbv	99
69) p-Isopropyltoluene	17.64	119	2485086	10.630	ppbv	99
70) n-Butylbenzene	18.53	91	2496897	10.905	ppbv	100
71) 2-Chlorotoluene	15.44	91	2033405	10.297	ppbv	99
72) 4-Ethyltoluene	15.82	105	2177075	10.409	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	1909988	10.155	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	1969403	9.939	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	1054381	9.915	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	997390	9.688	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1016224	10.290	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	572010	8.330	ppbv	99
79) Naphthalene	22.18	128	900048	9.715	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	102213	10.145	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	518582m	9.517	ppbv	

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

