

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012622\
 Data File : VL038284.D
 Acq On : 26 Jan 2022 10:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Jan 27 02:58:30 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

Reviewed By : Semsettin Yesilyurt 01/27/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	604970	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2120172	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1902398m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1455266	10.08	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1354639	10.519	ppbv	98
3) Chlorodifluoromethane	2.98	51	1437839	11.939	ppbv	100
4) Chloromethane	3.13	50	482728	11.651	ppbv	96
5) Vinyl Chloride	3.25	62	498470	12.054	ppbv	96
6) Bromomethane	3.46	94	264126	11.814	ppbv	99
7) Chloroethane	3.55	64	164942	11.809	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1170152	11.742	ppbv	98
9) Propene	3.00	41	482023	12.295	ppbv	100
10) Heptane	8.09	43	1235030	12.244	ppbv	100
11) Trichlorofluoromethane	3.93	101	1238037	12.340	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	907716	11.969	ppbv	97
13) Ethanol	3.59	45	49571	11.778	ppbv	98
14) Bromoethene	3.73	108	373084	12.589	ppbv	99
15) Acetone	3.83	43	590956	11.081	ppbv	98
16) 1,3-Butadiene	3.32	39	468003	12.229	ppbv	100
17) tert-Butyl alcohol	4.27	59	734507	12.549	ppbv	98
18) 1,1-Dichloroethene	4.27	96	398275	12.077	ppbv	99
19) Isopropyl Alcohol	3.94	45	389680	11.680	ppbv #	98
20) Methylene Chloride	4.33	84	339701	10.952	ppbv	99
21) Allyl Chloride	4.39	41	610227	12.933	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	430031	12.620	ppbv	97
23) Vinyl Acetate	5.05	43	991218	12.783	ppbv	99
24) 1,1-Dichloroethane	4.99	63	848660	12.286	ppbv	99
25) Ethyl Acetate	5.65	43	1499997	10.046	ppbv	99
26) Hexane	5.66	57	682353	9.825	ppbv	99
27) Carbon Disulfide	4.53	76	1035570	12.745	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	909356	12.622	ppbv	99
29) Chloroform	5.73	83	1313203	11.584	ppbv	98
30) Cyclohexane	7.10	84	736578	12.181	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	656197	10.832	ppbv	99
32) 1,1,1-Trichloroethane	6.48	97	1391321	12.288	ppbv	100
34) 2-Butanone	5.22	43	674934	9.735	ppbv	100
35) Carbon Tetrachloride	6.99	117	1447497	9.726	ppbv	99
36) Benzene	6.86	78	1830905	9.763	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1078084	10.036	ppbv	99
38) Trichloroethene	7.81	130	662442	9.482	ppbv	97
39) 1,2-Dichloropropane	7.59	63	732499	9.634	ppbv	97
40) 1,4-Dioxane	7.81	88	176764	9.659	ppbv	82
41) Tetrahydrofuran	6.02	42	459559	9.860	ppbv	99
42) Bromodichloromethane	7.76	83	1559917	9.788	ppbv	99
43) Methyl Methacrylate	7.98	69	688156	10.374	ppbv	99

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44) 2,2,4-Trimethylpentane	7.84	57	3109751	9.409	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	617359	11.455	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	769239	10.697	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	729678	9.767	ppbv	99
48) Dibromochloromethane	10.27	129	1227941	9.763	ppbv	98
49) Bromoform	13.01	173	873493	9.633	ppbv	98
50) 4-Methyl-2-Pentanone	8.71	43	1254143	10.140	ppbv	100
51) 2-Hexanone	10.10	43	557945	10.242	ppbv #	97
52) Tetrachloroethene	11.19	164	592541	9.168	ppbv	98
53) Toluene	9.77	91	2049394	9.873	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1070667	10.080	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	787348	9.456	ppbv	95
57) Chlorobenzene	12.11	112	1426812	9.373	ppbv	99
58) Ethyl Benzene	12.68	91	2690405	9.623	ppbv	99
59) m/p-Xylene	12.96	91	4497732m	18.856	ppbv	
60) o-Xylene	13.66	91	2075809	9.357	ppbv	99
61) Styrene	13.49	104	1080666	10.437	ppbv	99
62) Isopropylbenzene	14.64	105	2774398	9.380	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1435220	8.743	ppbv	99
64) n-propylbenzene	15.53	120	696408	9.788	ppbv	99
65) tert-Butylbenzene	16.71	119	2255063	9.257	ppbv	99
66) Benzyl Chloride	16.96	91	108611	9.815	ppbv	98
67) sec-Butylbenzene	17.26	105	3134505	9.250	ppbv	100
69) p-Isopropyltoluene	17.62	119	2454445	9.465	ppbv	99
70) n-Butylbenzene	18.52	91	2416768	9.515	ppbv	100
71) 2-Chlorotoluene	15.42	91	2085297	9.519	ppbv	100
72) 4-Ethyltoluene	15.81	105	2299898	9.913	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	1989325	9.535	ppbv	100
74) 1,2,4-Trimethylbenzene	16.73	105	2042754	9.293	ppbv	96
75) 1,3-Dichlorobenzene	16.96	146	1096001	9.292	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	1060938	9.290	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	992030	9.055	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	655871	8.611	ppbv	99
79) Naphthalene	22.15	128	1252258	12.185	ppbv	99
80) Naphthalene,2-methyl-	24.94	142	210430	18.828	ppbv	94
81) 1,2,4-Trichlorobenzene	21.89	180	655139m	10.839	ppbv	

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

