

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038867.D
 Acq On : 8 Apr 2022 9:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 11 01:49:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A

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

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	979768	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2674409	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2583131m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1997031	10.19	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.07	85	2174442	15.647	ppbv	96
3) Chlorodifluoromethane	3.01	51	1370329	11.460	ppbv	99
4) Chloromethane	3.16	50	679967	10.982	ppbv	97
5) Vinyl Chloride	3.28	62	638901	11.167	ppbv	99
6) Bromomethane	3.50	94	323624	11.692	ppbv	97
7) Chloroethane	3.58	64	210846	11.052	ppbv	96
8) Dichlorotetrafluoroethane	3.21	85	1511239	11.641	ppbv	96
9) Propene	3.03	41	666788	10.540	ppbv	95
10) Heptane	8.15	43	1749117	10.976	ppbv	99
11) Trichlorofluoromethane	3.97	101	1410553	12.631	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1050122	12.276	ppbv	95
13) Ethanol	3.63	45	59233m	15.407	ppbv	
14) Bromoethene	3.76	108	451248	11.995	ppbv	95
15) Acetone	3.87	43	1084200	11.115	ppbv	99
16) 1,3-Butadiene	3.35	39	624488	11.199	ppbv	98
17) tert-Butyl alcohol	4.30	59	780542	8.923	ppbv	99
18) 1,1-Dichloroethene	4.31	96	469824	12.049	ppbv	90
19) Isopropyl Alcohol	3.99	45	495688	9.943	ppbv #	100
20) Methylene Chloride	4.37	84	388404	10.979	ppbv	96
21) Allyl Chloride	4.43	41	821096	11.242	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	511614	12.959	ppbv	99
23) Vinyl Acetate	5.10	43	1106251	11.645	ppbv #	98
24) 1,1-Dichloroethane	5.03	63	996147	11.604	ppbv	99
25) Ethyl Acetate	5.70	43	2853611	11.529	ppbv	100
26) Hexane	5.71	57	1255475	11.144	ppbv	98
27) Carbon Disulfide	4.57	76	1266745	12.261	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	959793	11.031	ppbv	99
29) Chloroform	5.77	83	1889484	11.987	ppbv	99
30) Cyclohexane	7.15	84	1075575	10.832	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1214316	11.723	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1844986	11.617	ppbv	99
34) 2-Butanone	5.26	43	1214425	11.492	ppbv	99
35) Carbon Tetrachloride	7.04	117	1856122	11.577	ppbv	100
36) Benzene	6.91	78	2662595	10.944	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1397873	12.567	ppbv	98
38) Trichloroethene	7.86	130	1049448	10.513	ppbv	97
39) 1,2-Dichloropropane	7.64	63	1035110	11.123	ppbv	96
40) 1,4-Dioxane	7.85	88	328148m	10.384	ppbv	
41) Tetrahydrofuran	6.07	42	1134688	11.305	ppbv	99
42) Bromodichloromethane	7.82	83	2092638	11.913	ppbv	99
43) Methyl Methacrylate	8.03	69	1112479	11.939	ppbv	98

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44) 2,2,4-Trimethylpentane	7.89	57	4411795	10.711	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1127082	11.568	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1443448	11.236	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1077472	11.300	ppbv	99
48) Dibromochloromethane	10.33	129	1741388	11.652	ppbv	99
49) Bromoform	13.06	173	1397454	11.806	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2772527	11.664	ppbv	100
51) 2-Hexanone	10.15	43	2120573	11.840	ppbv #	100
52) Tetrachloroethene	11.25	164	876752	10.317	ppbv	99
53) Toluene	9.83	91	3065863	10.916	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1535210	11.591	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1216024	10.742	ppbv	97
57) Chlorobenzene	12.17	112	2163283	10.225	ppbv	97
58) Ethyl Benzene	12.73	91	4180077	10.829	ppbv	94
59) m/p-Xylene	13.01	91	6878877m	21.212	ppbv	
60) o-Xylene	13.72	91	3238856	10.674	ppbv	95
61) Styrene	13.55	104	2030037	10.981	ppbv	98
62) Isopropylbenzene	14.69	105	4692434	10.302	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	2035519	10.591	ppbv	99
64) n-propylbenzene	15.58	120	1220058	10.317	ppbv	89
65) tert-Butylbenzene	16.77	119	3973332	9.833	ppbv	95
66) Benzyl Chloride	17.01	91	565356	6.872	ppbv	94
67) sec-Butylbenzene	17.31	105	5842537	10.303	ppbv	98
69) p-Isopropyltoluene	17.67	119	4794007	10.297	ppbv	98
70) n-Butylbenzene	18.57	91	5231686	11.154	ppbv	98
71) 2-Chlorotoluene	15.47	91	3708729	10.829	ppbv	95
72) 4-Ethyltoluene	15.86	105	3945517	10.889	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	3516200	10.802	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	3622030	10.526	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	2078506	10.404	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2005033	10.188	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2015800	10.236	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1423280	9.147	ppbv	98
79) Naphthalene	22.22	128	2782986m	10.812	ppbv	
80) Naphthalene,2-methyl-	24.98	142	565459	8.915	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1547514	10.273	ppbv	99

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

