

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036872.D
 Acq On : 28 Apr 2021 00:30
 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 28 07:44:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1615626	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	4184297	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3856871m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3138841	10.14	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2113125	8.305	ppbv 99
3) Chlorodifluoromethane	2.99	51	2529399	8.595	ppbv 99
4) Chloromethane	3.14	50	819400	8.471	ppbv 93
5) Vinyl Chloride	3.26	62	824162	8.447	ppbv 98
6) Bromomethane	3.48	94	425279	8.106	ppbv 98
7) Chloroethane	3.56	64	296945	9.262	ppbv 91
8) Dichlorotetrafluoroethane	3.19	85	1960191	8.446	ppbv 99
9) Propene	3.01	41	790545	8.815	ppbv 100
10) Heptane	8.13	43	1962360	8.701	ppbv 97
11) Trichlorofluoromethane	3.95	101	1878071	8.269	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1275926	8.394	ppbv 99
13) Ethanol	3.62	45	97882m	8.559	ppbv
14) Bromoethene	3.74	108	554180	8.923	ppbv 99
15) Acetone	3.86	43	1214258	7.974	ppbv 98
16) 1,3-Butadiene	3.33	39	874671	8.983	ppbv 96
17) tert-Butyl alcohol	4.30	59	1149891	9.303	ppbv 99
18) 1,1-Dichloroethene	4.29	96	572865	8.672	ppbv 96
19) Isopropyl Alcohol	3.98	45	650540	8.622	ppbv # 96
20) Methylene Chloride	4.35	84	498278	6.843	ppbv 93
21) Allyl Chloride	4.42	41	916505	8.100	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	578638	8.728	ppbv 92
23) Vinyl Acetate	5.08	43	2276071	10.988	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1417712	9.641	ppbv 99
25) Ethyl Acetate	5.69	43	3013367	8.101	ppbv 99
26) Hexane	5.69	57	1473830	8.469	ppbv 93
27) Carbon Disulfide	4.56	76	1366589	9.041	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	1602901	10.391	ppbv 100
29) Chloroform	5.76	83	2267051	8.356	ppbv 99
30) Cyclohexane	7.14	84	1220615	8.845	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1421665	9.101	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2319781	8.408	ppbv 99
34) 2-Butanone	5.25	43	1436599	7.838	ppbv 98
35) Carbon Tetrachloride	7.02	117	2406185	8.475	ppbv 98
36) Benzene	6.90	78	3043269	8.632	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1698261	8.507	ppbv 98
38) Trichloroethene	7.84	130	1108198	8.829	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1186857	8.403	ppbv 98
40) 1,4-Dioxane	7.84	88	262654	7.701	ppbv 85
41) Tetrahydrofuran	6.06	42	665885	8.305	ppbv 100
42) Bromodichloromethane	7.80	83	2402569	8.662	ppbv 99
43) Methyl Methacrylate	8.02	69	1138691	9.898	ppbv 97

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44) 2,2,4-Trimethylpentane	7.88	57	5089310	8.423	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	821854	6.627	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1128393	7.097	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1222939	8.363	ppbv	98
48) Dibromochloromethane	10.31	129	2017012	9.309	ppbv	99
49) Bromoform	13.05	173	1674227	9.679	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2085346	8.323	ppbv	98
51) 2-Hexanone	10.15	43	1066061	8.531	ppbv #	95
52) Tetrachloroethene	11.24	164	1046119	8.714	ppbv	98
53) Toluene	9.82	91	3409724	9.243	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1727795	8.369	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1419989	8.782	ppbv	96
57) Chlorobenzene	12.16	112	2506090	8.342	ppbv	99
58) Ethyl Benzene	12.72	91	4529722	9.260	ppbv	100
59) m/p-Xylene	13.01	91	7686128m	17.579	ppbv	
60) o-Xylene	13.70	91	3598907	8.513	ppbv	100
61) Styrene	13.54	104	1957258	9.859	ppbv	99
62) Isopropylbenzene	14.68	105	5018635	8.725	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2703541	7.978	ppbv	100
64) n-propylbenzene	15.57	120	1345380	9.385	ppbv	97
65) tert-Butylbenzene	16.76	119	4416548	8.685	ppbv	100
66) Benzyl Chloride	17.00	91	330898	6.655	ppbv	97
67) sec-Butylbenzene	17.31	105	6205946	8.788	ppbv	99
69) p-Isopropyltoluene	17.67	119	5106314	9.020	ppbv	100
70) n-Butylbenzene	18.56	91	5245878	9.193	ppbv	99
71) 2-Chlorotoluene	15.46	91	3892650	9.138	ppbv	99
72) 4-Ethyltoluene	15.85	105	4288733	9.451	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3815591	8.671	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4012106	8.583	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	2419004	8.754	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2395252m	8.858	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	2307900	8.551	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1826933	7.966	ppbv	99
79) Naphthalene	22.21	128	2696305	10.299	ppbv	100
80) Naphthalene,2-methyl-	24.99	142	327879	11.357	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1675521	9.894	ppbv	99

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

