

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036849.D
 Acq On : 27 Apr 2021 6:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL042721

Manual Integrations
 APPROVED

Quant Time: Apr 28 05:40:55 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	5.66	49	1561281	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4118182	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3632613m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3051450	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2222890	9.040	ppbv 100
3) Chlorodifluoromethane	2.98	51	2536475	8.919	ppbv 99
4) Chloromethane	3.13	50	872823	9.338	ppbv 91
5) Vinyl Chloride	3.25	62	863169	9.155	ppbv 99
6) Bromomethane	3.47	94	476275	9.394	ppbv 95
7) Chloroethane	3.55	64	289965	9.359	ppbv 95
8) Dichlorotetrafluoroethane	3.18	85	2024953	9.029	ppbv 98
9) Propene	3.01	41	863227	9.961	ppbv 100
10) Heptane	8.11	43	2163586	9.927	ppbv 98
11) Trichlorofluoromethane	3.94	101	2005036	9.135	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1387342	9.445	ppbv 98
13) Ethanol	3.61	45	81529m	7.377	ppbv
14) Bromoethene	3.73	108	610636	10.175	ppbv 97
15) Acetone	3.85	43	1161091	7.890	ppbv 98
16) 1,3-Butadiene	3.32	39	906643	9.635	ppbv 100
17) tert-Butyl alcohol	4.29	59	1162450	9.732	ppbv 98
18) 1,1-Dichloroethene	4.28	96	620366	9.717	ppbv 97
19) Isopropyl Alcohol	3.97	45	660838	9.063	ppbv 99
20) Methylene Chloride	4.34	84	522233	7.421	ppbv 93
21) Allyl Chloride	4.41	41	1105586	10.111	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	642599	10.030	ppbv 96
23) Vinyl Acetate	5.07	43	1951611	9.750	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1338551	9.420	ppbv 99
25) Ethyl Acetate	5.67	43	3330513	9.265	ppbv 100
26) Hexane	5.68	57	1534626	9.125	ppbv 96
27) Carbon Disulfide	4.54	76	1522878	10.425	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1444905	9.693	ppbv 100
29) Chloroform	5.74	83	2388233	9.109	ppbv 99
30) Cyclohexane	7.12	84	1282971	9.620	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1534754	10.167	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2437808	9.143	ppbv 100
34) 2-Butanone	5.24	43	1619249	8.976	ppbv 100
35) Carbon Tetrachloride	7.01	117	2524475	9.034	ppbv 98
36) Benzene	6.88	78	3227607	9.302	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1805464	9.189	ppbv 99
38) Trichloroethene	7.83	130	1165203	9.432	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1261517	9.075	ppbv 95
40) 1,4-Dioxane	7.83	88	281617	8.390	ppbv 86
41) Tetrahydrofuran	6.05	42	822446	10.422	ppbv 99
42) Bromodichloromethane	7.78	83	2597837	9.516	ppbv 98
43) Methyl Methacrylate	8.01	69	1173134	10.362	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5394938	9.073	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1317184	10.792	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1667481	10.656	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1282812	8.913	ppbv	97
48) Dibromochloromethane	10.30	129	2135447	10.014	ppbv	98
49) Bromoform	13.03	173	1733275	10.181	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2469087	10.013	ppbv	99
51) 2-Hexanone	10.14	43	1304674	10.608	ppbv #	97
52) Tetrachloroethene	11.22	164	1107308	9.372	ppbv	97
53) Toluene	9.80	91	3601552	9.920	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1845994	9.085	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1415056	9.292	ppbv #	61
57) Chlorobenzene	12.14	112	2628512	9.290	ppbv	98
58) Ethyl Benzene	12.70	91	4755005	10.320	ppbv	99
59) m/p-Xylene	12.99	91	7990939m	19.405	ppbv	
60) o-Xylene	13.69	91	3763271	9.451	ppbv	100
61) Styrene	13.52	104	2197780	11.754	ppbv	100
62) Isopropylbenzene	14.66	105	5165684	9.535	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2670531	8.367	ppbv	99
64) n-propylbenzene	15.56	120	1357167	10.052	ppbv	97
65) tert-Butylbenzene	16.74	119	4549598	9.498	ppbv	100
66) Benzyl Chloride	16.99	91	420780	8.985	ppbv	98
67) sec-Butylbenzene	17.29	105	6385444	9.600	ppbv	100
69) p-Isopropyltoluene	17.65	119	5270337	9.884	ppbv	100
70) n-Butylbenzene	18.55	91	5307748	9.876	ppbv	100
71) 2-Chlorotoluene	15.45	91	3939565	9.819	ppbv	100
72) 4-Ethyltoluene	15.83	105	4520042	10.576	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4104284	9.902	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4211249	9.565	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2431174	9.341	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2305242	9.051	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2319903	9.126	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1740447	8.058	ppbv	99
79) Naphthalene	22.20	128	2685480	10.891	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	343798	12.644	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1535633	9.628	ppbv	98

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

