

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036842.D
 Acq On : 27 Apr 2021 1:26
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Apr 27 07:29:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 07:21:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1561929	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4030023	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3809528	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3078462	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2344671	9.232	ppbv 100
3) Chlorodifluoromethane	2.98	51	2614411	8.969	ppbv 100
4) Chloromethane	3.14	50	898315	8.827	ppbv 100
5) Vinyl Chloride	3.25	62	871188	8.346	ppbv 100
6) Bromomethane	3.47	94	488111	8.544	ppbv 100
7) Chloroethane	3.55	64	294375	8.236	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2083917	8.687	ppbv 100
9) Propene	3.01	41	858880	9.301	ppbv 100
10) Heptane	8.12	43	2222061	9.443	ppbv 100
11) Trichlorofluoromethane	3.95	101	2087006	8.229	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1411872	8.676	ppbv 100
13) Ethanol	3.61	45	87113m	8.151	ppbv
14) Bromoethene	3.74	108	583573	8.674	ppbv 100
15) Acetone	3.85	43	1185954	7.873	ppbv 100
16) 1,3-Butadiene	3.32	39	905132	8.646	ppbv 100
17) tert-Butyl alcohol	4.29	59	1189579	9.020	ppbv 100
18) 1,1-Dichloroethene	4.29	96	597748	8.329	ppbv 100
19) Isopropyl Alcohol	3.97	45	649569m	7.911	ppbv
20) Methylene Chloride	4.34	84	523851	7.482	ppbv 100
21) Allyl Chloride	4.41	41	1034849	8.692	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	628215	9.296	ppbv 100
23) Vinyl Acetate	5.07	43	2138295	8.431	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1283656	7.106	ppbv 100
25) Ethyl Acetate	5.67	43	3379086	9.283	ppbv 100
26) Hexane	5.68	57	1519940	9.074	ppbv 100
27) Carbon Disulfide	4.55	76	1568911	9.546	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1450960	7.662	ppbv 100
29) Chloroform	5.75	83	2490647	9.199	ppbv 100
30) Cyclohexane	7.12	84	1320071	9.669	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1514526	9.380	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2501981	9.180	ppbv 100
34) 2-Butanone	5.24	43	1675182	8.683	ppbv 100
35) Carbon Tetrachloride	7.01	117	2636196	8.560	ppbv 100
36) Benzene	6.89	78	3293305	8.959	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1892197	8.775	ppbv 100
38) Trichloroethene	7.83	130	1214423	8.425	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1290254	8.690	ppbv 100
40) 1,4-Dioxane	7.83	88	304403m	8.699	ppbv
41) Tetrahydrofuran	6.05	42	803812	9.110	ppbv 100
42) Bromodichloromethane	7.79	83	2627811	8.970	ppbv 100
43) Methyl Methacrylate	8.01	69	1183071	9.658	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5551703	8.562	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1407457	10.078	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1711722	9.609	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1344368	8.871	ppbv	100
48) Dibromochloromethane	10.30	129	2191710	9.540	ppbv	100
49) Bromoform	13.03	173	1820782	9.817	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2544558	9.133	ppbv	100
51) 2-Hexanone	10.13	43	1387016	9.930	ppbv #	100
52) Tetrachloroethene	11.22	164	1138333	8.376	ppbv	100
53) Toluene	9.80	91	3677759	9.412	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1922299	9.012	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1493637	8.823	ppbv	100
57) Chlorobenzene	12.14	112	2749984	8.596	ppbv	100
58) Ethyl Benzene	12.71	91	4957149	9.116	ppbv	100
59) m/p-Xylene	12.99	91	8366481m	17.605	ppbv	
60) o-Xylene	13.69	91	3953999	8.601	ppbv	100
61) Styrene	13.53	104	2324048	10.141	ppbv	100
62) Isopropylbenzene	14.66	105	5349498	8.646	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2882543	8.140	ppbv	100
64) n-propylbenzene	15.56	120	1405394	9.263	ppbv	100
65) tert-Butylbenzene	16.74	119	4769199	8.833	ppbv	100
66) Benzyl Chloride	16.99	91	527467	9.135	ppbv	100
67) sec-Butylbenzene	17.29	105	6632851	8.706	ppbv	100
69) p-Isopropyltoluene	17.65	119	5538141	9.287	ppbv	100
70) n-Butylbenzene	18.55	91	5689539	9.206	ppbv	100
71) 2-Chlorotoluene	15.45	91	4166738	8.975	ppbv	100
72) 4-Ethyltoluene	15.84	105	4742004	9.364	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4330844	9.167	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4468453	8.806	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	2587471	9.049	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2509363	8.848	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2475300	9.180	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1941123	8.039	ppbv	100
79) Naphthalene	22.20	128	3157010	10.827	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	446465	9.087	ppbv	95
81) 1,2,4-Trichlorobenzene	21.92	180	1759262	9.734	ppbv	99

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

