

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036911.D
 Acq On : 6 May 2021 19:53
 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: May 07 09:10:23 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 05/08/2021
 Supervised By :Mahesh Dadoda 05/10/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1417503	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3657553	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	3368438m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2745591	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2158974	9.671	ppbv	100
3) Chlorodifluoromethane	2.99	51	2761380	10.695	ppbv	100
4) Chloromethane	3.14	50	940614	11.084	ppbv	96
5) Vinyl Chloride	3.26	62	933814	10.909	ppbv	97
6) Bromomethane	3.48	94	531665	11.550	ppbv	97
7) Chloroethane	3.56	64	333635	11.861	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	2220064	10.903	ppbv	99
9) Propene	3.01	41	920416	11.698	ppbv	100
10) Heptane	8.13	43	2314236	11.695	ppbv	98
11) Trichlorofluoromethane	3.95	101	2201833	11.049	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1477911	11.082	ppbv	100
13) Ethanol	3.62	45	91716	9.141	ppbv	98
14) Bromoethene	3.74	108	639440	11.735	ppbv	99
15) Acetone	3.86	43	1259858	9.430	ppbv	100
16) 1,3-Butadiene	3.33	39	959727	11.234	ppbv	98
17) tert-Butyl alcohol	4.30	59	1243657	11.468	ppbv	98
18) 1,1-Dichloroethene	4.29	96	676039	11.664	ppbv	91
19) Isopropyl Alcohol	3.97	45	744772	11.251	ppbv #	95
20) Methylene Chloride	4.35	84	535387	8.380	ppbv	94
21) Allyl Chloride	4.42	41	1128720	11.369	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	609975	10.487	ppbv	98
23) Vinyl Acetate	5.08	43	2528168	13.911	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1752159	13.581	ppbv	98
25) Ethyl Acetate	5.68	43	3598315	11.026	ppbv	100
26) Hexane	5.69	57	1660450	10.875	ppbv	96
27) Carbon Disulfide	4.56	76	1651256	12.451	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1965832	14.525	ppbv	99
29) Chloroform	5.76	83	2601937	10.931	ppbv	100
30) Cyclohexane	7.14	84	1430609	11.815	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1649901	12.038	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2674059	11.047	ppbv	99
34) 2-Butanone	5.25	43	1774023	11.072	ppbv	98
35) Carbon Tetrachloride	7.02	117	2797175	11.271	ppbv	97
36) Benzene	6.90	78	3557441	11.544	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1965977	11.266	ppbv	99
38) Trichloroethene	7.84	130	1266514	11.543	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1374695	11.135	ppbv	97
40) 1,4-Dioxane	7.84	88	326800	10.962	ppbv	97
41) Tetrahydrofuran	6.06	42	857687	12.238	ppbv	99
42) Bromodichloromethane	7.80	83	2818373	11.624	ppbv	98
43) Methyl Methacrylate	8.02	69	1282280	12.752	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5875810	11.126	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1426215	13.157	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1810308	13.025	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1430923	11.195	ppbv	98
48) Dibromochloromethane	10.31	129	2323209	12.266	ppbv	99
49) Bromoform	13.04	173	1872642	12.385	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2623743	11.981	ppbv	98
51) 2-Hexanone	10.14	43	1323962	12.121	ppbv #	95
52) Tetrachloroethene	11.23	164	1195960	11.397	ppbv	99
53) Toluene	9.81	91	3927690	12.180	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2019255	11.189	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1545553	10.945	ppbv #	63
57) Chlorobenzene	12.15	112	2837428	10.815	ppbv	98
58) Ethyl Benzene	12.71	91	5190764	12.150	ppbv	98
59) m/p-Xylene	13.00	91	8687540m	22.751	ppbv	
60) o-Xylene	13.70	91	4094588	11.090	ppbv	100
61) Styrene	13.53	104	2361463	13.619	ppbv	100
62) Isopropylbenzene	14.67	105	5518568	10.986	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2969524	10.033	ppbv	100
64) n-propylbenzene	15.57	120	1449761	11.580	ppbv	100
65) tert-Butylbenzene	16.75	119	4852426	10.925	ppbv	99
66) Benzyl Chloride	16.99	91	493027	11.353	ppbv	99
67) sec-Butylbenzene	17.29	105	6860680	11.124	ppbv	100
69) p-Isopropyltoluene	17.65	119	5599393	11.325	ppbv	99
70) n-Butylbenzene	18.55	91	5759211	11.556	ppbv	100
71) 2-Chlorotoluene	15.46	91	4284898	11.517	ppbv	100
72) 4-Ethyltoluene	15.84	105	4783809	12.071	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4354479	11.330	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4473461	10.958	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2571754	10.657	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2470383	10.460	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2493545	10.579	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1813699	9.055	ppbv	99
79) Naphthalene	22.20	128	2837883	12.412	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	360832	14.311	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1662122	11.239	ppbv	99

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

