

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036922.D
 Acq On : 7 May 2021 16:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:43 PM

Quant Time: May 08 07:03:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1326466	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3428571	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3097023m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2612780	10.51	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2006332	9.604	ppbv	98
3) Chlorodifluoromethane	3.00	51	2603394	10.775	ppbv	99
4) Chloromethane	3.15	50	847901	10.677	ppbv	96
5) Vinyl Chloride	3.27	62	835576	10.431	ppbv	98
6) Bromomethane	3.48	94	435655	10.114	ppbv	98
7) Chloroethane	3.57	64	286695	10.891	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1983297	10.409	ppbv	99
9) Propene	3.02	41	786791	10.686	ppbv	96
10) Heptane	8.13	43	2045347	11.046	ppbv	98
11) Trichlorofluoromethane	3.96	101	1919783	10.295	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1283478	10.284	ppbv	100
13) Ethanol	3.63	45	84313m	8.980	ppbv	
14) Bromoethene	3.75	108	558979	10.963	ppbv	99
15) Acetone	3.86	43	1318015	10.542	ppbv	98
16) 1,3-Butadiene	3.33	39	853447	10.675	ppbv	99
17) tert-Butyl alcohol	4.30	59	1076353	10.606	ppbv	99
18) 1,1-Dichloroethene	4.30	96	572341	10.552	ppbv	99
19) Isopropyl Alcohol	3.98	45	636870	10.281	ppbv #	98
20) Methylene Chloride	4.35	84	512514	8.572	ppbv	95
21) Allyl Chloride	4.42	41	945063	10.173	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	551918	10.140	ppbv	98
23) Vinyl Acetate	5.09	43	2354082	13.842	ppbv	97
24) 1,1-Dichloroethane	5.02	63	1576681	13.060	ppbv	97
25) Ethyl Acetate	5.69	43	3093900	10.131	ppbv	99
26) Hexane	5.70	57	1506833	10.546	ppbv	93
27) Carbon Disulfide	4.56	76	1421774	11.456	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1630216	12.872	ppbv	100
29) Chloroform	5.76	83	2287321	10.268	ppbv	98
30) Cyclohexane	7.14	84	1240138	10.945	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1438299	11.215	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2345232	10.353	ppbv	99
34) 2-Butanone	5.26	43	1493822	9.946	ppbv	98
35) Carbon Tetrachloride	7.03	117	2475305	10.640	ppbv	96
36) Benzene	6.90	78	3121732	10.807	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1764698	10.788	ppbv	100
38) Trichloroethene	7.84	130	1150741	11.188	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1227409	10.606	ppbv	96
40) 1,4-Dioxane	7.85	88	301697m	10.796	ppbv	
41) Tetrahydrofuran	6.07	42	656021	9.985	ppbv	97
42) Bromodichloromethane	7.80	83	2519374	11.085	ppbv	99
43) Methyl Methacrylate	8.02	69	1162283	12.331	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036922.D
 Acq On : 7 May 2021 16:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:43 PM

Quant Time: May 08 07:03:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5261905	10.629	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	837971	8.247	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1169567	8.977	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1267912	10.582	ppbv	98
48) Dibromochloromethane	10.31	129	2090132	11.772	ppbv	99
49) Bromoform	13.05	173	1755241	12.384	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2175404	10.597	ppbv	98
51) 2-Hexanone	10.15	43	1118882	10.927	ppbv #	96
52) Tetrachloroethene	11.23	164	1057943	10.755	ppbv	96
53) Toluene	9.82	91	3491764	11.552	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1816461	10.738	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1447444	11.148	ppbv #	63
57) Chlorobenzene	12.16	112	2580142	10.696	ppbv	99
58) Ethyl Benzene	12.72	91	4643691	11.822	ppbv	100
59) m/p-Xylene	13.01	91	7903980m	22.513	ppbv	
60) o-Xylene	13.70	91	3731726	10.993	ppbv	99
61) Styrene	13.54	104	1997281	12.529	ppbv	99
62) Isopropylbenzene	14.68	105	5123499	11.093	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2815220	10.345	ppbv	99
64) n-propylbenzene	15.57	120	1355069	11.772	ppbv	99
65) tert-Butylbenzene	16.75	119	4486736	10.987	ppbv	99
66) Benzyl Chloride	17.00	91	340538	8.529	ppbv	100
67) sec-Butylbenzene	17.30	105	6267840	11.053	ppbv	100
69) p-Isopropyltoluene	17.66	119	5151389	11.332	ppbv	100
70) n-Butylbenzene	18.56	91	5371435	11.723	ppbv	99
71) 2-Chlorotoluene	15.46	91	3997563	11.687	ppbv	99
72) 4-Ethyltoluene	15.85	105	4390297	12.049	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3882265	10.987	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4062767	10.824	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2451965	11.051	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2306934	10.624	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2349798	10.842	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1860027	10.101	ppbv	99
79) Naphthalene	22.21	128	2749033	13.077	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	340073	14.670	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	1703661	12.529	ppbv	98

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

