

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037409.D
 Acq On : 12 Aug 2021 10:28
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:06:29 AM

Quant Time: Aug 12 11:33:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1364745	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4159679	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3667492m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2735132	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1687976	6.843	ppbv	98
3) Chlorodifluoromethane	2.99	51	2355601	9.283	ppbv	99
4) Chloromethane	3.14	50	847021	9.063	ppbv	97
5) Vinyl Chloride	3.26	62	896544	9.390	ppbv	97
6) Bromomethane	3.47	94	505099	9.651	ppbv	96
7) Chloroethane	3.56	64	324513	9.926	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2106050	9.786	ppbv	98
9) Propene	3.01	41	809781	9.373	ppbv	97
10) Heptane	8.12	43	2082864	10.193	ppbv	100
11) Trichlorofluoromethane	3.95	101	2018581	9.733	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1502877	10.182	ppbv	95
13) Ethanol	3.61	45	85053m	8.156	ppbv	
14) Bromoethene	3.74	108	678403	10.049	ppbv	99
15) Acetone	3.85	43	1122038	8.629	ppbv	99
16) 1,3-Butadiene	3.32	39	887424	9.715	ppbv	99
17) tert-Butyl alcohol	4.29	59	1331408	11.445	ppbv	99
18) 1,1-Dichloroethene	4.29	96	672948	10.062	ppbv	96
19) Isopropyl Alcohol	3.96	45	775638	10.361	ppbv #	33
20) Methylene Chloride	4.34	84	613851	8.694	ppbv	97
21) Allyl Chloride	4.41	41	1041971	10.216	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	650176	10.287	ppbv	98
23) Vinyl Acetate	5.07	43	2123443	10.161	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1584143	9.638	ppbv	98
25) Ethyl Acetate	5.67	43	3241124	9.736	ppbv	100
26) Hexane	5.68	57	1584139	9.397	ppbv	97
27) Carbon Disulfide	4.55	76	1602806	11.344	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1803584	10.018	ppbv	100
29) Chloroform	5.75	83	2336415	9.665	ppbv	99
30) Cyclohexane	7.13	84	1342930	9.623	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1502427	9.946	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2260134	9.643	ppbv	100
34) 2-Butanone	5.24	43	1541726m	9.755	ppbv	
35) Carbon Tetrachloride	7.02	117	2377255	10.248	ppbv	98
36) Benzene	6.89	78	3226875	9.775	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1684995	9.979	ppbv	99
38) Trichloroethene	7.83	130	1300685	9.254	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1232409	10.212	ppbv	99
40) 1,4-Dioxane	7.83	88	282513	8.786	ppbv #	100
41) Tetrahydrofuran	6.04	42	726327	9.776	ppbv	99
42) Bromodichloromethane	7.79	83	2463770	10.322	ppbv	98
43) Methyl Methacrylate	8.01	69	1193716	10.391	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037409.D
 Acq On : 12 Aug 2021 10:28
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:06:29 AM

Quant Time: Aug 12 11:33:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5384537	9.779	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1023593	11.868	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1331594	11.413	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1328488	9.768	ppbv	99
48) Dibromochloromethane	10.30	129	2181840	10.878	ppbv	99
49) Bromoform	13.04	173	1744463	11.069	ppbv	95
50) 4-Methyl-2-Pentanone	8.74	43	2088335	10.114	ppbv	99
51) 2-Hexanone	10.13	43	1007707	11.012	ppbv #	97
52) Tetrachloroethene	11.22	164	1212681	9.013	ppbv	97
53) Toluene	9.80	91	3816488	9.969	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1906533	9.904	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1472380	10.386	ppbv #	59
57) Chlorobenzene	12.14	112	2752378	9.724	ppbv	96
58) Ethyl Benzene	12.70	91	4989123	10.191	ppbv	100
59) m/p-Xylene	12.99	91	8360536m	19.837	ppbv	
60) o-Xylene	13.69	91	3815197	9.764	ppbv	97
61) Styrene	13.52	104	2186963	10.804	ppbv	99
62) Isopropylbenzene	14.66	105	5341270	9.704	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2745979	9.293	ppbv	98
64) n-propylbenzene	15.55	120	1401373	10.033	ppbv	99
65) tert-Butylbenzene	16.73	119	4889706	9.849	ppbv	99
66) Benzyl Chloride	16.98	91	286379m	13.606	ppbv	
67) sec-Butylbenzene	17.28	105	6728244	9.859	ppbv	98
69) p-Isopropyltoluene	17.64	119	5703849	10.349	ppbv	100
70) n-Butylbenzene	18.54	91	5493591	10.608	ppbv	99
71) 2-Chlorotoluene	15.45	91	3999140	9.952	ppbv	99
72) 4-Ethyltoluene	15.83	105	4606111	10.079	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4236494	9.994	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4458662	10.358	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2702726	10.333	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2576858	10.033	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2562640	10.166	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1883748	9.319	ppbv	99
79) Naphthalene	22.18	128	3208575	13.683	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	871184	18.897	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	1973170	12.270	ppbv	100

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

