

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038212.D
 Acq On : 21 Dec 2021 13:21
 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 :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 13:54:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	766404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2391425	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2198558m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1624462	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1180204	9.323 ppbv	99
3) Chlorodifluoromethane	3.00	51	1372038	8.525 ppbv	100
4) Chloromethane	3.15	50	489415	8.933 ppbv	98
5) Vinyl Chloride	3.26	62	490288	9.122 ppbv	100
6) Bromomethane	3.48	94	277799	9.648 ppbv	98
7) Chloroethane	3.56	64	174153	9.129 ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	1182293	9.388 ppbv	100
9) Propene	3.02	41	483519	8.157 ppbv	97
10) Heptane	8.12	43	1227223	8.377 ppbv	100
11) Trichlorofluoromethane	3.96	101	1158838	9.625 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	873502	10.256 ppbv	99
13) Ethanol	3.62	45	64881m	11.327 ppbv	
14) Bromoethene	3.75	108	363233	9.524 ppbv	99
15) Acetone	3.85	43	589250	8.868 ppbv	98
16) 1,3-Butadiene	3.33	39	471445	9.094 ppbv	98
17) tert-Butyl alcohol	4.29	59	792567	9.833 ppbv	100
18) 1,1-Dichloroethene	4.29	96	381901	9.775 ppbv	98
19) Isopropyl Alcohol	3.97	45	423229	8.815 ppbv	# 1
20) Methylene Chloride	4.35	84	314495	8.450 ppbv	94
21) Allyl Chloride	4.42	41	589827	9.589 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	424005	10.714 ppbv	94
23) Vinyl Acetate	5.07	43	977486	10.162 ppbv	99
24) 1,1-Dichloroethane	5.01	63	826680	10.321 ppbv	98
25) Ethyl Acetate	5.68	43	1844589	8.353 ppbv	99
26) Hexane	5.69	57	869337	8.167 ppbv	97
27) Carbon Disulfide	4.56	76	925487	9.706 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	934394	10.334 ppbv	100
29) Chloroform	5.75	83	1323939	8.439 ppbv	98
30) Cyclohexane	7.13	84	824267	8.530 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	738355	7.292 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1378990	8.661 ppbv	99
34) 2-Butanone	5.25	43	658993	6.834 ppbv	99
35) Carbon Tetrachloride	7.02	117	1380593	8.217 ppbv	99
36) Benzene	6.89	78	1940628	8.135 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1008877	8.757 ppbv	99
38) Trichloroethene	7.83	130	709674	7.887 ppbv	98
39) 1,2-Dichloropropane	7.61	63	746651	8.159 ppbv	98
40) 1,4-Dioxane	7.83	88	181655	7.620 ppbv	# 1
41) Tetrahydrofuran	6.05	42	481235	8.039 ppbv	99
42) Bromodichloromethane	7.79	83	1503120	8.582 ppbv	100
43) Methyl Methacrylate	8.01	69	712813	8.734 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038212.D
 Acq On : 21 Dec 2021 13:21
 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 :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 13:54:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3161815	7.922	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	622516	9.509	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	798036	9.013	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	781690	8.156	ppbv	97
48) Dibromochloromethane	10.30	129	1240818	8.502	ppbv	98
49) Bromoform	13.04	173	925111	8.860	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1239992	8.467	ppbv	100
51) 2-Hexanone	10.13	43	576490	8.367	ppbv #	99
52) Tetrachloroethene	11.22	164	661636	7.496	ppbv	98
53) Toluene	9.80	91	2237792	8.153	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1143399	8.446	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	808716	8.103	ppbv #	56
57) Chlorobenzene	12.14	112	1565008	7.942	ppbv	98
58) Ethyl Benzene	12.70	91	2871221	7.901	ppbv	98
59) m/p-Xylene	12.99	91	4841593m	15.828	ppbv	
60) o-Xylene	13.68	91	2219412	7.821	ppbv	98
61) Styrene	13.52	104	1260303	8.284	ppbv	99
62) Isopropylbenzene	14.66	105	3138181	7.791	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	1568065	7.439	ppbv	99
64) n-propylbenzene	15.55	120	806767	7.862	ppbv	95
65) tert-Butylbenzene	16.74	119	2669708	7.523	ppbv	100
66) Benzyl Chloride	16.98	91	124898	6.944	ppbv	98
67) sec-Butylbenzene	17.29	105	3747815	7.579	ppbv	100
69) p-Isopropyltoluene	17.64	119	3039786	7.859	ppbv	100
70) n-Butylbenzene	18.54	91	2936143	7.939	ppbv	100
71) 2-Chlorotoluene	15.45	91	2304649	7.826	ppbv	99
72) 4-Ethyltoluene	15.83	105	2672120	8.122	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2412190	8.027	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2409581	7.782	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1361906	8.008	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1323195	7.731	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1276584	7.752	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	697620	6.785	ppbv	99
79) Naphthalene	22.18	128	1442875	8.848	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	292055	8.357	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	737442	7.870	ppbv	99

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

