

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038749.D
 Acq On : 24 Mar 2022 15:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 26 09:52:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	933202	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2519240	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2412267m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1857367	10.04	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1582949	12.62	ppbv	99
3) Chlorodifluoromethane	3.00	51	893000	9.06	ppbv	98
4) Chloromethane	3.15	50	482305	8.91	ppbv	98
5) Vinyl Chloride	3.27	62	503219	9.15	ppbv	98
6) Bromomethane	3.48	94	289679	9.88	ppbv	99
7) Chloroethane	3.57	64	168598	9.26	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1214783	9.70	ppbv	98
9) Propene	3.02	41	408744	8.59	ppbv	98
10) Heptane	8.13	43	1000104	8.79	ppbv	98
11) Trichlorofluoromethane	3.96	101	1141756	10.31	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	856304	10.05	ppbv	97
13) Ethanol	3.62	45	36998m	7.05	ppbv	
14) Bromoethene	3.75	108	393379	10.38	ppbv	98
15) Acetone	3.86	43	769406	9.56	ppbv	100
16) 1,3-Butadiene	3.34	39	438568	9.60	ppbv	97
17) tert-Butyl alcohol	4.29	59	733449	10.43	ppbv	100
18) 1,1-Dichloroethene	4.30	96	401100	10.48	ppbv	95
19) Isopropyl Alcohol	3.97	45	413555	9.26	ppbv	99
20) Methylene Chloride	4.35	84	315470	9.30	ppbv	99
21) Allyl Chloride	4.42	41	609136	10.51	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	423495	10.66	ppbv	99
23) Vinyl Acetate	5.08	43	880216	11.29	ppbv	99
24) 1,1-Dichloroethane	5.02	63	778583	10.14	ppbv	100
25) Ethyl Acetate	5.68	43	1829867	9.03	ppbv	99
26) Hexane	5.70	57	825530	9.10	ppbv	97
27) Carbon Disulfide	4.56	76	1020457	11.46	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	760665	11.25	ppbv	99
29) Chloroform	5.76	83	1354854	9.32	ppbv	99
30) Cyclohexane	7.14	84	706101	8.95	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	827277	9.69	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1370838	9.78	ppbv	99
34) 2-Butanone	5.25	43	912771	9.15	ppbv	98
35) Carbon Tetrachloride	7.03	117	1428884	9.78	ppbv	99
36) Benzene	6.90	78	1730303	8.90	ppbv	100
37) 1,2-Dichloroethane	6.31	62	943817	9.54	ppbv	99
38) Trichloroethene	7.84	130	753097	9.25	ppbv	99
39) 1,2-Dichloropropane	7.62	63	648420	8.53	ppbv	96
40) 1,4-Dioxane	7.83	88	223634	8.47	ppbv	88
41) Tetrahydrofuran	6.05	42	650941	8.77	ppbv	97
42) Bromodichloromethane	7.80	83	1451337	9.79	ppbv	100
43) Methyl Methacrylate	8.02	69	695370	9.63	ppbv	97

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 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2792525	8.55	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	819328	11.16	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1005661	10.13	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	698664	8.61	ppbv	98
48) Dibromochloromethane	10.31	129	1255786	9.88	ppbv	99
49) Bromoform	13.05	173	1035345	9.99	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1649103	8.90	ppbv	99
51) 2-Hexanone	10.14	43	1264405	9.50	ppbv	99
52) Tetrachloroethene	11.23	164	634346	8.92	ppbv	97
53) Toluene	9.81	91	1961772	9.39	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1043308	9.42	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	876831	8.77	ppbv #	57
57) Chlorobenzene	12.15	112	1446140	8.31	ppbv	100
58) Ethyl Benzene	12.72	91	2550424	9.04	ppbv	100
59) m/p-Xylene	13.00	91	4272771m	17.32	ppbv	
60) o-Xylene	13.70	91	2034424	8.69	ppbv	99
61) Styrene	13.53	104	1236402	9.73	ppbv	99
62) Isopropylbenzene	14.67	105	2967512	8.43	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1299799	7.16	ppbv	100
64) n-propylbenzene	15.57	120	784623	8.49	ppbv	100
65) tert-Butylbenzene	16.75	119	2610423	8.25	ppbv	98
66) Benzyl Chloride	16.99	91	666998	11.13	ppbv	100
67) sec-Butylbenzene	17.30	105	3709245	8.20	ppbv	100
69) p-Isopropyltoluene	17.66	119	3096813	8.39	ppbv	99
70) n-Butylbenzene	18.55	91	3247236	8.53	ppbv	100
71) 2-Chlorotoluene	15.46	91	2214661	8.47	ppbv	99
72) 4-Ethyltoluene	15.85	105	2417380	8.74	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2153926	8.55	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	2292552	8.35	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1388721	7.94	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1355399	7.80	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1371405	7.92	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1284426	8.03	ppbv	100
79) Naphthalene	22.20	128	2230214	10.64	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	374064m	6.65	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	1289159	8.98	ppbv	98

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

