

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030322\
 Data File : VL038508.D
 Acq On : 3 Mar 2022 9:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Mar 04 04:58:08 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/05/2022
 Supervised By :Mahesh Dadoda 03/05/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	867950	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2046495	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	1903847m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1663416	10.56	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1130089	8.22	ppbv	97
3) Chlorodifluoromethane	2.99	51	1532682	10.00	ppbv	100
4) Chloromethane	3.14	50	526709	9.89	ppbv	97
5) Vinyl Chloride	3.26	62	544555	9.78	ppbv	99
6) Bromomethane	3.47	94	293237	9.99	ppbv	94
7) Chloroethane	3.56	64	186946	10.46	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1287651	10.07	ppbv	98
9) Propene	3.01	41	497463	9.83	ppbv	99
10) Heptane	8.12	43	1286567	10.44	ppbv	99
11) Trichlorofluoromethane	3.95	101	1317417	10.01	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	967863	10.03	ppbv	100
13) Ethanol	3.61	45	45247m	8.96	ppbv	
14) Bromoethene	3.74	108	393013	10.22	ppbv	100
15) Acetone	3.85	43	657966	8.91	ppbv	100
16) 1,3-Butadiene	3.33	39	508126	10.31	ppbv	96
17) tert-Butyl alcohol	4.28	59	794143	10.78	ppbv	100
18) 1,1-Dichloroethene	4.29	96	424614	10.02	ppbv	98
19) Isopropyl Alcohol	3.96	45	406298	9.51	ppbv #	98
20) Methylene Chloride	4.34	84	351476	9.61	ppbv	98
21) Allyl Chloride	4.41	41	631668	10.13	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	443374	10.37	ppbv	96
23) Vinyl Acetate	5.07	43	1005274	10.28	ppbv	98
24) 1,1-Dichloroethane	5.01	63	888295	10.10	ppbv	100
25) Ethyl Acetate	5.67	43	2015414	10.16	ppbv	99
26) Hexane	5.68	57	910645	10.14	ppbv	99
27) Carbon Disulfide	4.55	76	1080969	10.82	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	929066	10.16	ppbv	98
29) Chloroform	5.75	83	1525553	10.41	ppbv	99
30) Cyclohexane	7.12	84	761480	10.37	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	921164	10.59	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1502532	10.19	ppbv	99
34) 2-Butanone	5.24	43	689973	10.72	ppbv	100
35) Carbon Tetrachloride	7.01	117	1566603	10.89	ppbv	99
36) Benzene	6.89	78	1901634	10.56	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1147012	11.02	ppbv	99
38) Trichloroethene	7.83	130	679726	10.36	ppbv	97
39) 1,2-Dichloropropane	7.61	63	755100	10.52	ppbv	96
40) 1,4-Dioxane	7.83	88	170852m	10.04	ppbv	
41) Tetrahydrofuran	6.05	42	476423	10.96	ppbv	98
42) Bromodichloromethane	7.79	83	1617338	10.76	ppbv	100
43) Methyl Methacrylate	8.01	69	696528	11.12	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3287969	10.62	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	579424	11.58	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	728462	11.10	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	731182	10.24	ppbv	98
48) Dibromochloromethane	10.30	129	1224505	10.49	ppbv	99
49) Bromoform	13.03	173	837848	9.72	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1295205	11.38	ppbv	99
51) 2-Hexanone	10.13	43	563853	11.07	ppbv #	100
52) Tetrachloroethene	11.21	164	565820	9.46	ppbv	96
53) Toluene	9.80	91	2081066	10.64	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1051537	10.46	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	800949	10.09	ppbv	97
57) Chlorobenzene	12.14	112	1406920	9.58	ppbv	98
58) Ethyl Benzene	12.70	91	2647149	10.17	ppbv	98
59) m/p-Xylene	12.99	91	4481903m	20.05	ppbv	
60) o-Xylene	13.69	91	2078882	9.84	ppbv	100
61) Styrene	13.52	104	993347	10.19	ppbv	98
62) Isopropylbenzene	14.66	105	2707707	9.54	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1396318	8.13	ppbv	99
64) n-propylbenzene	15.55	120	640029	9.11	ppbv	87
65) tert-Butylbenzene	16.73	119	2197085	8.94	ppbv	98
66) Benzyl Chloride	16.98	91	110642m	8.33	ppbv	
67) sec-Butylbenzene	17.28	105	3071565	8.82	ppbv	99
69) p-Isopropyltoluene	17.64	119	2445864	8.94	ppbv	98
70) n-Butylbenzene	18.54	91	2579364	9.11	ppbv	99
71) 2-Chlorotoluene	15.45	91	1971103	9.04	ppbv	100
72) 4-Ethyltoluene	15.83	105	2198338	9.44	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	1927051	9.11	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	2010014	9.00	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	1045827	8.36	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1000539	8.11	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	984395	8.18	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	804562	8.76	ppbv	99
79) Naphthalene	22.18	128	1495518	12.36	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	229177	9.69	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	798694	10.92	ppbv	99

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

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