

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038506.D
 Acq On : 3 Mar 2022 6:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 03 07:14:34 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 03/03/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	866753	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2035391	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2018023m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1731120	10.37	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1841661	13.415	ppbv 98
3) Chlorodifluoromethane	3.00	51	1526147	9.971	ppbv 99
4) Chloromethane	3.15	50	516703	9.716	ppbv 100
5) Vinyl Chloride	3.27	62	522510	9.399	ppbv 97
6) Bromomethane	3.48	94	293698	10.015	ppbv 100
7) Chloroethane	3.56	64	187873	10.522	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1310876	10.265	ppbv 100
9) Propene	3.02	41	486153	9.620	ppbv 99
10) Heptane	8.13	43	1316484	10.702	ppbv 99
11) Trichlorofluoromethane	3.96	101	1350754	10.277	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	969598	10.062	ppbv 100
13) Ethanol	3.61	45	45600m	9.042	ppbv
14) Bromoethene	3.75	108	387037	10.082	ppbv 98
15) Acetone	3.86	43	667470	9.055	ppbv 100
16) 1,3-Butadiene	3.34	39	512367	10.407	ppbv 96
17) tert-Butyl alcohol	4.29	59	670189	9.114	ppbv 100
18) 1,1-Dichloroethene	4.30	96	426889	10.090	ppbv 97
19) Isopropyl Alcohol	3.97	45	348401	8.163	ppbv # 94
20) Methylene Chloride	4.35	84	347254	9.508	ppbv 97
21) Allyl Chloride	4.42	41	612943	9.846	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	436770	10.232	ppbv 99
23) Vinyl Acetate	5.08	43	937985	9.603	ppbv 99
24) 1,1-Dichloroethane	5.01	63	889099	10.124	ppbv 99
25) Ethyl Acetate	5.68	43	2059767	10.401	ppbv 99
26) Hexane	5.69	57	932910	10.403	ppbv 99
27) Carbon Disulfide	4.56	76	1052223	10.548	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	921024	10.083	ppbv 99
29) Chloroform	5.76	83	1542075	10.536	ppbv 98
30) Cyclohexane	7.14	84	771628	10.521	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	959441	11.043	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1538508	10.452	ppbv 99
34) 2-Butanone	5.25	43	870218	13.594	ppbv 99
35) Carbon Tetrachloride	7.02	117	1584153	11.068	ppbv 98
36) Benzene	6.90	78	1915622	10.691	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1166066	11.262	ppbv 99
38) Trichloroethene	7.84	130	680532	10.427	ppbv 98
39) 1,2-Dichloropropane	7.62	63	763690	10.700	ppbv 96
40) 1,4-Dioxane	7.83	88	167481	9.893	ppbv # 1
41) Tetrahydrofuran	6.06	42	481538	11.133	ppbv 99
42) Bromodichloromethane	7.80	83	1672641	11.187	ppbv 100
43) Methyl Methacrylate	8.01	69	718945	11.542	ppbv 100

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3312112	10.754	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	546007	10.968	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	695216	10.655	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	774918	10.913	ppbv	99
48) Dibromochloromethane	10.31	129	1339990	11.541	ppbv	100
49) Bromoform	13.04	173	1053632	12.294	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1337639	11.819	ppbv	100
51) 2-Hexanone	10.14	43	600013	11.841	ppbv #	99
52) Tetrachloroethene	11.23	164	609042	10.239	ppbv	97
53) Toluene	9.81	91	2159196	11.098	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1126893	11.274	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	892947	10.616	ppbv	100
57) Chlorobenzene	12.15	112	1550120	9.956	ppbv	96
58) Ethyl Benzene	12.71	91	2959590	10.725	ppbv	99
59) m/p-Xylene	13.00	91	5046987m	21.296	ppbv	
60) o-Xylene	13.70	91	2419423	10.799	ppbv	99
61) Styrene	13.53	104	1208619	11.696	ppbv	99
62) Isopropylbenzene	14.67	105	3185474	10.594	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1791021	9.839	ppbv	99
64) n-propylbenzene	15.56	120	803801	10.797	ppbv	95
65) tert-Butylbenzene	16.74	119	2777583	10.665	ppbv	99
66) Benzyl Chloride	16.99	91	155283	11.034	ppbv	98
67) sec-Butylbenzene	17.29	105	3947532	10.698	ppbv	99
69) p-Isopropyltoluene	17.65	119	3178627	10.966	ppbv	98
70) n-Butylbenzene	18.55	91	3461666	11.541	ppbv	99
71) 2-Chlorotoluene	15.46	91	2497551	10.802	ppbv	99
72) 4-Ethyltoluene	15.84	105	2758062	11.173	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	2482050	11.072	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	2615206	11.050	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1397217	10.541	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1398232m	10.697	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	1340443	10.505	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	992758m	10.202	ppbv	
79) Naphthalene	22.19	128	1698781	13.247	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	250695	10.004	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	957022	12.343	ppbv	98

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

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