

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038562.D
 Acq On : 8 Mar 2022 21:12
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030822

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 08 21:52:18 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A

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

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	886936	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2339143	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2216725m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1716502	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1234321	9.21	ppbv	100
3) Chlorodifluoromethane	2.99	51	1423133	9.10	ppbv	99
4) Chloromethane	3.13	50	540120	9.32	ppbv	98
5) Vinyl Chloride	3.25	62	547190	9.40	ppbv	99
6) Bromomethane	3.47	94	302274	9.68	ppbv	97
7) Chloroethane	3.55	64	184021	9.77	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1235926	9.52	ppbv	100
9) Propene	3.01	41	509980	9.24	ppbv	99
10) Heptane	8.10	43	1301897	9.86	ppbv	98
11) Trichlorofluoromethane	3.94	101	1126344	9.59	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	842452	9.22	ppbv	98
13) Ethanol	3.60	45	44925	7.09	ppbv	96
14) Bromoethene	3.73	108	383043	9.84	ppbv	98
15) Acetone	3.84	43	556584	8.90	ppbv	97
16) 1,3-Butadiene	3.32	39	489870	9.74	ppbv	98
17) tert-Butyl alcohol	4.28	59	625515	9.20	ppbv	100
18) 1,1-Dichloroethene	4.28	96	389535	9.53	ppbv	99
19) Isopropyl Alcohol	3.95	45	369077	8.84	ppbv	99
20) Methylene Chloride	4.33	84	316341	8.40	ppbv	95
21) Allyl Chloride	4.40	41	574462	9.53	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	412097	9.62	ppbv	96
23) Vinyl Acetate	5.06	43	900557	10.04	ppbv	99
24) 1,1-Dichloroethane	5.00	63	769872	9.44	ppbv	100
25) Ethyl Acetate	5.66	43	2048200	9.72	ppbv	100
26) Hexane	5.67	57	960091	9.70	ppbv	99
27) Carbon Disulfide	4.54	76	999492	10.14	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	753487	9.36	ppbv	99
29) Chloroform	5.74	83	1458776	9.47	ppbv	97
30) Cyclohexane	7.11	84	807953	9.44	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	909777	9.61	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1372823	9.19	ppbv	100
34) 2-Butanone	5.23	43	636471	10.50	ppbv	100
35) Carbon Tetrachloride	7.00	117	1463482	9.17	ppbv	98
36) Benzene	6.88	78	2015032	9.55	ppbv	99
37) 1,2-Dichloroethane	6.29	62	964247	9.56	ppbv	99
38) Trichloroethene	7.82	130	779800	9.25	ppbv	99
39) 1,2-Dichloropropane	7.60	63	776166	9.56	ppbv	100
40) 1,4-Dioxane	7.82	88	188846	9.29	ppbv	91
41) Tetrahydrofuran	6.03	42	482068	9.72	ppbv	99
42) Bromodichloromethane	7.78	83	1547807	9.68	ppbv	99
43) Methyl Methacrylate	8.00	69	738638	10.19	ppbv	97

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QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3353599	9.40	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	577245	11.05	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	756599	10.60	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	808902	9.78	ppbv	99
48) Dibromochloromethane	10.28	129	1354172	10.31	ppbv	99
49) Bromoform	13.02	173	1078091	10.71	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1235498	9.94	ppbv	98
51) 2-Hexanone	10.12	43	546883	10.41	ppbv #	99
52) Tetrachloroethene	11.20	164	709230	9.17	ppbv	99
53) Toluene	9.79	91	2278429	10.11	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1148446	9.71	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	872210	9.66	ppbv	99
57) Chlorobenzene	12.13	112	1611842	9.52	ppbv	98
58) Ethyl Benzene	12.69	91	2831677	9.87	ppbv	99
59) m/p-Xylene	12.97	91	4735315m	19.27	ppbv	
60) o-Xylene	13.67	91	2224976	9.59	ppbv	98
61) Styrene	13.51	104	1246406	10.90	ppbv	98
62) Isopropylbenzene	14.65	105	3075751	9.61	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1695215	8.65	ppbv	100
64) n-propylbenzene	15.54	120	841619	10.32	ppbv	97
65) tert-Butylbenzene	16.73	119	2782003	9.72	ppbv	99
66) Benzyl Chloride	16.96	91	201495m	11.88	ppbv	
67) sec-Butylbenzene	17.27	105	4026191	9.89	ppbv	100
69) p-Isopropyltoluene	17.63	119	3395551	10.07	ppbv	99
70) n-Butylbenzene	18.53	91	3649485	10.17	ppbv	99
71) 2-Chlorotoluene	15.43	91	2340955	9.85	ppbv	99
72) 4-Ethyltoluene	15.82	105	2789659	10.47	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2448460	9.90	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2574115	9.74	ppbv #	93
75) 1,3-Dichlorobenzene	16.98	146	1688439	10.13	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1621205	9.82	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1702740	10.09	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1502949	9.13	ppbv	100
79) Naphthalene	22.17	128	2958794	12.44	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	560878	13.36	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	1635391	10.76	ppbv	100

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

