

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038964.D
 Acq On : 5 May 2022 7:51
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL050522

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/07/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Quant Time: May 05 10:14:34 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A

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

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1357433	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3319311	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2951395m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2461196	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1875194	8.817	ppbv	97
3) Chlorodifluoromethane	2.99	51	1546410	9.181	ppbv	97
4) Chloromethane	3.14	50	794513	9.419	ppbv	96
5) Vinyl Chloride	3.26	62	740961	9.619	ppbv	99
6) Bromomethane	3.47	94	372722	10.243	ppbv	95
7) Chloroethane	3.56	64	242795	9.417	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	1830871	9.498	ppbv	98
9) Propene	3.01	41	702766	9.554	ppbv	98
10) Heptane	8.11	43	1754792	9.724	ppbv	99
11) Trichlorofluoromethane	3.95	101	1689335	9.257	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1203645	9.575	ppbv	98
13) Ethanol	3.60	45	41405m	7.954	ppbv	
14) Bromoethene	3.74	108	524173	10.112	ppbv	97
15) Acetone	3.84	43	1197743	9.354	ppbv	98
16) 1,3-Butadiene	3.32	39	696574	9.468	ppbv	99
17) tert-Butyl alcohol	4.28	59	1081874	10.993	ppbv	98
18) 1,1-Dichloroethene	4.29	96	545802	10.088	ppbv	100
19) Isopropyl Alcohol	3.96	45	678498	11.145	ppbv #	1
20) Methylene Chloride	4.34	84	443925	9.199	ppbv	96
21) Allyl Chloride	4.41	41	861035	9.868	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	570888	9.769	ppbv	96
23) Vinyl Acetate	5.06	43	1057176	10.435	ppbv #	97
24) 1,1-Dichloroethane	5.00	63	1118249	9.585	ppbv	98
25) Ethyl Acetate	5.66	43	3056087	9.972	ppbv	99
26) Hexane	5.68	57	1301081	9.555	ppbv	99
27) Carbon Disulfide	4.55	76	1375926	10.637	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1042721	10.064	ppbv	99
29) Chloroform	5.74	83	2107162	9.564	ppbv	99
30) Cyclohexane	7.12	84	1108836	9.726	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1365035	9.840	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2127964	9.660	ppbv	99
34) 2-Butanone	5.24	43	1435321	8.476	ppbv	98
35) Carbon Tetrachloride	7.01	117	2166418	9.905	ppbv	100
36) Benzene	6.88	78	2705285	9.524	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1708204	9.719	ppbv	100
38) Trichloroethene	7.82	130	1148872	9.098	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1069470	9.676	ppbv	95
40) 1,4-Dioxane	7.82	88	305079	7.685	ppbv #	1
41) Tetrahydrofuran	6.04	42	1110415	9.756	ppbv	99
42) Bromodichloromethane	7.78	83	2362300	9.831	ppbv	97
43) Methyl Methacrylate	8.00	69	1158691	10.048	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4597482	9.224	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1323917	11.860	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1595303	10.777	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1085876	9.446	ppbv	97
48) Dibromochloromethane	10.29	129	1875122	10.022	ppbv	98
49) Bromoform	13.02	173	1479454	10.368	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2891250	9.737	ppbv	99
51) 2-Hexanone	10.12	43	2302074	10.622	ppbv #	98
52) Tetrachloroethene	11.21	164	917555	9.039	ppbv	95
53) Toluene	9.79	91	3103448	9.748	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1537434	9.824	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1286716	9.936	ppbv #	58
57) Chlorobenzene	12.13	112	2177597	9.843	ppbv	99
58) Ethyl Benzene	12.69	91	4108017	9.672	ppbv	99
59) m/p-Xylene	12.98	91	6997623m	19.298	ppbv	
60) o-Xylene	13.68	91	3284009	9.623	ppbv	100
61) Styrene	13.51	104	1940439	10.650	ppbv	98
62) Isopropylbenzene	14.65	105	4792845	9.604	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1884267	9.376	ppbv	99
64) n-propylbenzene	15.55	120	1198421	9.932	ppbv	98
65) tert-Butylbenzene	16.73	119	4050124	9.262	ppbv	100
66) Benzyl Chloride	16.97	91	729236m	12.758	ppbv	
67) sec-Butylbenzene	17.27	105	5869768	9.396	ppbv	100
69) p-Isopropyltoluene	17.64	119	4855701	9.621	ppbv	99
70) n-Butylbenzene	18.53	91	5268551	9.826	ppbv	99
71) 2-Chlorotoluene	15.43	91	3624002	9.419	ppbv	99
72) 4-Ethyltoluene	15.82	105	3940023	10.131	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3476920	9.931	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	3693115	9.634	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2074893	9.879	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2040389	9.875	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2017199	9.711	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1641272	8.597	ppbv	100
79) Naphthalene	22.17	128	3572378	11.472	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	1271443	13.498	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1857767	10.181	ppbv	100

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

