

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038477.D
 Acq On : 2 Mar 2022 11:48
 Operator : SY/AP
 Sample : VL0302ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0302ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 03 11:52:23 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	948866	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2318206	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2138399m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1811248	10.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1260945	8.390	ppbv 96
3) Chlorodifluoromethane	2.99	51	1587627	9.475	ppbv 99
4) Chloromethane	3.14	50	549891	9.445	ppbv 97
5) Vinyl Chloride	3.26	62	567837	9.330	ppbv 98
6) Bromomethane	3.47	94	294394	9.170	ppbv 99
7) Chloroethane	3.56	64	198154	10.137	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1356966	9.707	ppbv 99
9) Propene	3.02	41	521664	9.430	ppbv 99
10) Heptane	8.12	43	1339820	9.949	ppbv 99
11) Trichlorofluoromethane	3.95	101	1398808	9.721	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	991441	9.398	ppbv 99
13) Ethanol	3.62	45	39377	7.132	ppbv 97
14) Bromoethene	3.74	108	395764	9.417	ppbv 97
15) Acetone	3.85	43	678236	8.405	ppbv 99
16) 1,3-Butadiene	3.33	39	545318	10.117	ppbv 99
17) tert-Butyl alcohol	4.29	59	811605	10.082	ppbv 100
18) 1,1-Dichloroethene	4.29	96	443010	9.565	ppbv 98
19) Isopropyl Alcohol	3.96	45	426728	9.132	ppbv # 97
20) Methylene Chloride	4.35	84	354532	8.868	ppbv 96
21) Allyl Chloride	4.41	41	651457	9.559	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	462417	9.896	ppbv 93
23) Vinyl Acetate	5.07	43	1048100	9.801	ppbv 98
24) 1,1-Dichloroethane	5.01	63	902183	9.384	ppbv 99
25) Ethyl Acetate	5.67	43	2102900	9.700	ppbv 99
26) Hexane	5.69	57	965903	9.839	ppbv 97
27) Carbon Disulfide	4.55	76	1119265	10.249	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	964625	9.647	ppbv 100
29) Chloroform	5.75	83	1589453	9.920	ppbv 99
30) Cyclohexane	7.13	84	802165	9.991	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	965846	10.155	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1580610	9.809	ppbv 99
34) 2-Butanone	5.25	43	726642	9.966	ppbv 100
35) Carbon Tetrachloride	7.01	117	1626876	9.980	ppbv 97
36) Benzene	6.89	78	1977785	9.691	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1195730	10.139	ppbv 100
38) Trichloroethene	7.83	130	707434	9.517	ppbv 97
39) 1,2-Dichloropropane	7.61	63	787773	9.691	ppbv 99
40) 1,4-Dioxane	7.84	88	188938m	9.799	ppbv
41) Tetrahydrofuran	6.05	42	495360	10.056	ppbv 99
42) Bromodichloromethane	7.79	83	1694905	9.953	ppbv 98
43) Methyl Methacrylate	8.01	69	735650	10.369	ppbv 99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3395775	9.681	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	604970	10.670	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	768400	10.340	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	775996	9.595	ppbv	97
48) Dibromochloromethane	10.30	129	1304584	9.866	ppbv	100
49) Bromoform	13.04	173	864726	8.859	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1363498	10.578	ppbv	100
51) 2-Hexanone	10.13	43	605584	10.493	ppbv #	98
52) Tetrachloroethene	11.22	164	600671	8.866	ppbv	98
53) Toluene	9.80	91	2178250	9.830	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1110734	9.757	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	845212	9.483	ppbv	99
57) Chlorobenzene	12.14	112	1461723	8.860	ppbv	97
58) Ethyl Benzene	12.71	91	2787287	9.532	ppbv	99
59) m/p-Xylene	12.99	91	4646849m	18.504	ppbv	
60) o-Xylene	13.69	91	2172297	9.151	ppbv	100
61) Styrene	13.52	104	1047407	9.566	ppbv	98
62) Isopropylbenzene	14.66	105	2838405	8.908	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1451129	7.523	ppbv	100
64) n-propylbenzene	15.55	120	673991	8.544	ppbv	90
65) tert-Butylbenzene	16.74	119	2292410	8.306	ppbv	99
66) Benzyl Chloride	16.98	91	113823m	7.633	ppbv	
67) sec-Butylbenzene	17.29	105	3201056	8.186	ppbv	98
69) p-Isopropyltoluene	17.64	119	2539707	8.269	ppbv	99
70) n-Butylbenzene	18.55	91	2711515	8.531	ppbv	99
71) 2-Chlorotoluene	15.45	91	2061672	8.415	ppbv	100
72) 4-Ethyltoluene	15.83	105	2257442	8.631	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	2038319	8.581	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2102185	8.382	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	1113878	7.930	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1068479	7.714	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1052971	7.788	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	840964	8.155	ppbv	99
79) Naphthalene	22.19	128	1577107m	11.606	ppbv	
80) Naphthalene, 2-methyl-	24.96	142	229031	8.625	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	853109	10.384	ppbv	99

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

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