

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039282.D
 Acq On : 14 Jun 2022 15:07
 Operator : SY/AP
 Sample : VL0614ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0614ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 15 03:19:18 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 6

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.671	49	1274002	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3534497	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3384006m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2697222 9.641 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1854468	8.287	ppbv	98
3) Chlorodifluoromethane	2.996	51	1371927	8.463	ppbv	100
4) Chloromethane	3.147	50	749563	9.002	ppbv	99
5) Vinyl Chloride	3.266	62	733557	9.424	ppbv	98
6) Bromomethane	3.481	94	337725	8.820	ppbv	99
7) Chloroethane	3.568	64	285761	10.536	ppbv	94
8) Dichlorotetrafluoroethane	3.195	85	1835153	8.973	ppbv	95
9) Propene	3.015	41	570474	8.071	ppbv	100
10) Heptane	8.127	43	1522437	9.233	ppbv	100
11) Trichlorofluoromethane	3.957	101	1873685	9.250	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.491	101	1353911	10.107	ppbv	99
13) Ethanol	3.610	45	40072m	10.396	ppbv	
14) Bromoethene	3.745	108	586697	9.743	ppbv	97
15) Acetone	3.851	43	1329415	10.017	ppbv	99
16) 1,3-Butadiene	3.337	39	723984	10.148	ppbv	95
17) tert-Butyl alcohol	4.288	59	1168386	11.351	ppbv	98
18) 1,1-Dichloroethene	4.295	96	612837	10.199	ppbv	88
19) Isopropyl Alcohol	3.967	45	680331	10.930	ppbv	99
20) Methylene Chloride	4.353	84	511724	9.150	ppbv	93
21) Allyl Chloride	4.417	41	970915	10.845	ppbv	98
22) trans-1,2-Dichloroethene	4.893	96	619410	10.713	ppbv	97
23) Vinyl Acetate	5.076	43	1091052	9.937	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1297629	8.625	ppbv	99
25) Ethyl Acetate	5.681	43	2728771	9.123	ppbv	99
26) Hexane	5.693	57	1188180	9.039	ppbv	98
27) Carbon Disulfide	4.555	76	1494200	10.968	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1242129	8.560	ppbv	98
29) Chloroform	5.758	83	1929353	8.723	ppbv	97
30) Cyclohexane	7.134	84	1011900	9.164	ppbv	98
31) cis-1,2-Dichloroethene	5.555	61	1189561	8.875	ppbv	97
32) 1,1,1-Trichloroethane	6.517	97	1974565	9.123	ppbv	99
34) 2-Butanone	5.247	43	1619827	8.436	ppbv	99
35) Carbon Tetrachloride	7.021	117	2091630	8.108	ppbv	98
36) Benzene	6.896	78	2428306	8.463	ppbv	98
37) 1,2-Dichloroethane	6.311	62	1496702	7.925	ppbv	98
38) Trichloroethene	7.841	130	1251600	9.496	ppbv	93
39) 1,2-Dichloropropane	7.619	63	899914	7.885	ppbv	96
40) 1,4-Dioxane	7.832	88	351607	9.357	ppbv	79
41) Tetrahydrofuran	6.054	42	918978	7.957	ppbv	98
42) Bromodichloromethane	7.796	83	2081166	7.941	ppbv	99
43) Methyl Methacrylate	8.018	69	985327	8.815	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	4123434	8.214	ppbv	98
45) t-1,3-Dichloropropene	9.282	75	983083	8.445	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1285147	8.357	ppbv	98
47) 1,1,2-Trichloroethane	9.481	97	1020410	8.569	ppbv	98
48) Dibromochloromethane	10.311	129	1839096	8.650	ppbv	99
49) Bromoform	13.040	173	1531160	8.641	ppbv	99
50) 4-Methyl-2-Pentanone	8.742	43	2557797	8.899	ppbv	99
51) 2-Hexanone	10.134	43	1926725	8.615	ppbv #	97
52) Tetrachloroethene	11.227	164	961834	8.585	ppbv	96
53) Toluene	9.812	91	2953775	8.939	ppbv	100
54) 1,2-Dibromoethane	10.613	107	1386308	8.664	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.124	131	1334372	8.333	ppbv	100
57) Chlorobenzene	12.150	112	2243739	8.812	ppbv	94
58) Ethyl Benzene	12.712	91	3962618	8.501	ppbv	98
59) m/p-Xylene	12.995	91	6909210m	16.832	ppbv	
60) o-Xylene	13.693	91	3277434	8.497	ppbv	98
61) Styrene	13.529	104	1962927	9.504	ppbv	96
62) Isopropylbenzene	14.667	105	4938898	8.615	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	1640440	7.577	ppbv	99
64) n-propylbenzene	15.564	120	1292345	9.170	ppbv	89
65) tert-Butylbenzene	16.744	119	4548534	8.677	ppbv	96
66) Benzyl Chloride	16.989	91	463252	6.796	ppbv	100
67) sec-Butylbenzene	17.294	105	6179017	8.639	ppbv	98
69) p-Isopropyltoluene	17.651	119	5361958	8.885	ppbv	98
70) n-Butylbenzene	18.548	91	5252072	8.479	ppbv	99
71) 2-Chlorotoluene	15.455	91	3618751	8.278	ppbv	97
72) 4-Ethyltoluene	15.838	105	4043237	8.944	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3682517	9.032	ppbv	99
74) 1,2,4-Trimethylbenzene	16.764	105	3943377	8.667	ppbv #	91
75) 1,3-Dichlorobenzene	16.995	146	2318058	9.001	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2230237	8.679	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	2243915	8.645	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1712411	7.214	ppbv	99
79) Naphthalene	22.191	128	3299738	9.421	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1007171	7.739	ppbv	97
81) 1,2,4-Trichlorobenzene	21.921	180	1927947	8.688	ppbv #	100

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

