

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039301.D
 Acq On : 15 Jun 2022 17:52
 Operator : SY/AP
 Sample : VL0615ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

Quant Time: Jun 16 04:36:00 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

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	5.658	49	1317876	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.166	114	3630265	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.073	117	3342577m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 2731005 9.883 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1875987	8.104	ppbv	96
3) Chlorodifluoromethane	2.986	51	1463723	8.729	ppbv	99
4) Chloromethane	3.137	50	823485	9.561	ppbv	100
5) Vinyl Chloride	3.253	62	770988	9.575	ppbv	98
6) Bromomethane	3.472	94	326935	8.254	ppbv	99
7) Chloroethane	3.555	64	294547	10.498	ppbv	92
8) Dichlorotetrafluoroethane	3.186	85	1909936	9.028	ppbv	94
9) Propene	3.009	41	648863	8.874	ppbv	99
10) Heptane	8.115	43	1677373	9.834	ppbv	99
11) Trichlorofluoromethane	3.948	101	1946651	9.290	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.478	101	1420233	10.250	ppbv	99
13) Ethanol	3.607	45	45791	11.484	ppbv #	100
14) Bromoethene	3.735	108	615363	9.878	ppbv	96
15) Acetone	3.841	43	1388903	10.117	ppbv	97
16) 1,3-Butadiene	3.324	39	770959	10.447	ppbv	94
17) tert-Butyl alcohol	4.275	59	1326418	12.457	ppbv	99
18) 1,1-Dichloroethene	4.285	96	657995	10.586	ppbv	90
19) Isopropyl Alcohol	3.951	45	768516	11.936	ppbv	99
20) Methylene Chloride	4.337	84	506128	8.749	ppbv	92
21) Allyl Chloride	4.407	41	996162	10.757	ppbv	98
22) trans-1,2-Dichloroethene	4.877	96	644968	10.784	ppbv	94
23) Vinyl Acetate	5.066	43	1195288	10.523	ppbv	99
24) 1,1-Dichloroethane	5.005	63	1493154	9.595	ppbv	99
25) Ethyl Acetate	5.665	43	2962365	9.574	ppbv	99
26) Hexane	5.681	57	1283982	9.443	ppbv	98
27) Carbon Disulfide	4.546	76	1587647	11.266	ppbv	100
28) Methyl tert-Butyl Ether	5.025	73	1433119	9.547	ppbv	99
29) Chloroform	5.745	83	2032378	8.883	ppbv	100
30) Cyclohexane	7.124	84	1107588	9.696	ppbv	98
31) cis-1,2-Dichloroethene	5.542	61	1285531	9.272	ppbv	93
32) 1,1,1-Trichloroethane	6.500	97	2047968	9.147	ppbv	99
34) 2-Butanone	5.234	43	1793077	9.091	ppbv	98
35) Carbon Tetrachloride	7.008	117	2129234	8.036	ppbv	99
36) Benzene	6.880	78	2681739	9.099	ppbv	100
37) 1,2-Dichloroethane	6.298	62	1553918	8.011	ppbv	98
38) Trichloroethene	7.825	130	1391958	10.282	ppbv	95
39) 1,2-Dichloropropane	7.603	63	992608	8.467	ppbv	98
40) 1,4-Dioxane	7.819	88	355774	9.219	ppbv #	1
41) Tetrahydrofuran	6.037	42	1026901	8.657	ppbv	99
42) Bromodichloromethane	7.783	83	2192698	8.146	ppbv	98
43) Methyl Methacrylate	8.002	69	1074338	9.358	ppbv	98
44) 2,2,4-Trimethylpentane	7.857	57	4452185	8.635	ppbv	99
45) t-1,3-Dichloropropene	9.269	75	1050612	8.787	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1377547	8.722	ppbv	94
47) 1,1,2-Trichloroethane	9.465	97	1103999	9.027	ppbv	96
48) Dibromochloromethane	10.291	129	1928833	8.833	ppbv	100
49) Bromoform	13.031	173	1575718	8.658	ppbv	98
50) 4-Methyl-2-Pentanone	8.729	43	2764436	9.364	ppbv	99
51) 2-Hexanone	10.118	43	2145624	9.340	ppbv #	97
52) Tetrachloroethene	11.214	164	1034266	8.988	ppbv	97
53) Toluene	9.796	91	3189635	9.399	ppbv	100
54) 1,2-Dibromoethane	10.600	107	1466448	8.923	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.118	131	1401748	8.863	ppbv	98
57) Chlorobenzene	12.134	112	2360405	9.385	ppbv	95
58) Ethyl Benzene	12.700	91	4222177	9.170	ppbv	99
59) m/p-Xylene	12.983	91	7201480m	17.762	ppbv	
60) o-Xylene	13.680	91	3463105	9.090	ppbv	98
61) Styrene	13.516	104	2069309	10.143	ppbv	96
62) Isopropylbenzene	14.651	105	5220895	9.220	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.661	83	1738553	8.130	ppbv	99
64) n-propylbenzene	15.548	120	1366623	9.818	ppbv	90
65) tert-Butylbenzene	16.732	119	4767724	9.208	ppbv	95
66) Benzyl Chloride	16.973	91	504196	7.489	ppbv	99
67) sec-Butylbenzene	17.278	105	6499665	9.200	ppbv	98
69) p-Isopropyltoluene	17.638	119	5588107	9.375	ppbv	98
70) n-Butylbenzene	18.535	91	5494433	8.980	ppbv	99
71) 2-Chlorotoluene	15.439	91	3776548	8.746	ppbv	97
72) 4-Ethyltoluene	15.825	105	4202470	9.412	ppbv	99
73) 1,3,5-Trimethylbenzene	15.982	105	3821116	9.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.748	105	4147800	9.229	ppbv	94
75) 1,3-Dichlorobenzene	16.982	146	2432825	9.563	ppbv	99
76) 1,4-Dichlorobenzene	17.124	146	2343141	9.232	ppbv	99
77) 1,2-Dichlorobenzene	17.802	146	2356714	9.192	ppbv	99
78) Hexachloro-1,3-Butadiene	23.358	225	1780081	7.592	ppbv	99
79) Naphthalene	22.175	128	3525957	10.191	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	1099878	8.557	ppbv	92
81) 1,2,4-Trichlorobenzene	21.908	180	2056150	9.381	ppbv #	100

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

Manual Integrations

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