

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039233.D
 Acq On : 8 Jun 2022 13:42
 Operator : SY/AP
 Sample : VL0608ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 06:40:04 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 09 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	5.674	49	1210447	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2826391	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	2617636	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2385702 11.024 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1876234	8.825	ppbv	99
3) Chlorodifluoromethane	2.996	51	1439200	9.345	ppbv	97
4) Chloromethane	3.150	50	659141	8.332	ppbv	99
5) Vinyl Chloride	3.266	62	719961	9.735	ppbv	96
6) Bromomethane	3.484	94	340880	9.370	ppbv	95
7) Chloroethane	3.568	64	268970	10.438	ppbv	91
8) Dichlorotetrafluoroethane	3.195	85	1849844	9.520	ppbv	100
9) Propene	3.015	41	518654	7.723	ppbv	98
10) Heptane	8.130	43	1323086	8.445	ppbv	99
11) Trichlorofluoromethane	3.960	101	1956661	10.167	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.491	101	1318713	10.361	ppbv	99
13) Ethanol	3.603	45	29762	8.126	ppbv #	100
14) Bromoethene	3.748	108	569432	9.952	ppbv	99
15) Acetone	3.854	43	1416080	11.231	ppbv	97
16) 1,3-Butadiene	3.333	39	669119	9.872	ppbv	100
17) tert-Butyl alcohol	4.288	59	1191457	12.182	ppbv	99
18) 1,1-Dichloroethene	4.298	96	597571	10.467	ppbv	90
19) Isopropyl Alcohol	3.970	45	642980	10.872	ppbv	100
20) Methylene Chloride	4.353	84	473369	8.909	ppbv	98
21) Allyl Chloride	4.420	41	828922	9.745	ppbv	97
22) trans-1,2-Dichloroethene	4.893	96	585590	10.660	ppbv	95
23) Vinyl Acetate	5.079	43	894845	8.578	ppbv	100
24) 1,1-Dichloroethane	5.018	63	1211466	8.475	ppbv	100
25) Ethyl Acetate	5.680	43	2791213	9.822	ppbv	100
26) Hexane	5.697	57	1057523	8.468	ppbv	86
27) Carbon Disulfide	4.558	76	1372675	10.605	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1264307	9.170	ppbv	99
29) Chloroform	5.761	83	1912136	9.099	ppbv	98
30) Cyclohexane	7.137	84	846280	8.066	ppbv	98
31) cis-1,2-Dichloroethene	5.555	61	1141861	8.967	ppbv	96
32) 1,1,1-Trichloroethane	6.520	97	2006053	9.755	ppbv	99
34) 2-Butanone	5.250	43	1540962	10.035	ppbv	98
35) Carbon Tetrachloride	7.028	117	2161898	10.480	ppbv	99
36) Benzene	6.896	78	2072610	9.033	ppbv	97
37) 1,2-Dichloroethane	6.311	62	1575233	10.431	ppbv	98
38) Trichloroethene	7.841	130	880385	8.353	ppbv	96
39) 1,2-Dichloropropane	7.622	63	816247	8.943	ppbv	92
40) 1,4-Dioxane	7.831	88	300118	9.988	ppbv	85
41) Tetrahydrofuran	6.057	42	839639	9.092	ppbv	100
42) Bromodichloromethane	7.799	83	2105675	10.047	ppbv	96
43) Methyl Methacrylate	8.021	69	932095	10.428	ppbv	98
44) 2,2,4-Trimethylpentane	7.876	57	3595268	8.957	ppbv	97
45) t-1,3-Dichloropropene	9.282	75	799449	8.588	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1069119	8.694	ppbv	93
47) 1,1,2-Trichloroethane	9.481	97	876193	9.202	ppbv	96
48) Dibromochloromethane	10.310	129	1753766	10.315	ppbv	99
49) Bromoform	13.043	173	1475758	10.415	ppbv	98
50) 4-Methyl-2-Pentanone	8.748	43	2222002	9.667	ppbv	99
51) 2-Hexanone	10.134	43	1754980	9.813	ppbv #	96
52) Tetrachloroethene	11.227	164	815683	9.104	ppbv	93
53) Toluene	9.812	91	2456429	9.297	ppbv	99
54) 1,2-Dibromoethane	10.616	107	1312319	10.256	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.130	131	1302504	10.516	ppbv	97
57) Chlorobenzene	12.153	112	1875956	9.525	ppbv	98
58) Ethyl Benzene	12.716	91	3504545	9.720	ppbv	98
59) m/p-Xylene	12.998	91	6294411m	19.824	ppbv	
60) o-Xylene	13.696	91	3084058	10.337	ppbv	96
61) Styrene	13.529	104	1582128	9.902	ppbv	97
62) Isopropylbenzene	14.670	105	4603813	10.382	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	1995035	11.913	ppbv	99
64) n-propylbenzene	15.564	120	1170884	10.741	ppbv	98
65) tert-Butylbenzene	16.744	119	4290172	10.580	ppbv	97
66) Benzyl Chloride	16.992	91	320958	6.087	ppbv	99
67) sec-Butylbenzene	17.294	105	5933856	10.725	ppbv	100
69) p-Isopropyltoluene	17.651	119	5045743	10.809	ppbv	98
70) n-Butylbenzene	18.551	91	5326611	11.117	ppbv	99
71) 2-Chlorotoluene	15.455	91	3582857	10.595	ppbv	98
72) 4-Ethyltoluene	15.844	105	3646395	10.428	ppbv	98
73) 1,3,5-Trimethylbenzene	15.998	105	3352991	10.631	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	3746371	10.644	ppbv	99
75) 1,3-Dichlorobenzene	17.002	146	2088082	10.481	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	2008539	10.105	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	2020511	10.063	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1780289	9.696	ppbv	99
79) Naphthalene	22.191	128	2951222	10.892	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	734323	7.295	ppbv	93
81) 1,2,4-Trichlorobenzene	21.927	180	1697486	9.889	ppbv #	100

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

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