

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039024.D
 Acq On : 11 May 2022 17:07
 Operator : SY/AP
 Sample : VL0511ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0511ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/15/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 11 19:23:38 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 11 19:23:38 2022

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	981540	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2699382	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	2437107m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1779645 9.221 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1228968	7.991	ppbv	99
3) Chlorodifluoromethane	2.983	51	1183415	9.716	ppbv	96
4) Chloromethane	3.134	50	613302	10.055	ppbv	96
5) Vinyl Chloride	3.250	62	567705	10.193	ppbv	99
6) Bromomethane	3.465	94	278894	10.600	ppbv	88
7) Chloroethane	3.549	64	197721	10.606	ppbv	91
8) Dichlorotetrafluoroethane	3.179	85	1349527	9.682	ppbv	95
9) Propene	3.005	41	583648	10.973	ppbv	96
10) Heptane	8.102	43	1460285	11.191	ppbv	100
11) Trichlorofluoromethane	3.938	101	1262514	9.568	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.472	101	901528	9.918	ppbv	95
13) Ethanol	3.587	45	16647	4.423	ppbv #	38
14) Bromoethene	3.729	108	406942	10.857	ppbv	97
15) Acetone	3.835	43	936753	10.117	ppbv	99
16) 1,3-Butadiene	3.320	39	550881	10.356	ppbv	100
17) tert-Butyl alcohol	4.269	59	838282	11.780	ppbv	98
18) 1,1-Dichloroethene	4.275	96	405194	10.358	ppbv	96
19) Isopropyl Alcohol	3.947	45	508770	11.557	ppbv	99
20) Methylene Chloride	4.330	84	343922	9.856	ppbv	97
21) Allyl Chloride	4.398	41	693814	10.997	ppbv	95
22) trans-1,2-Dichloroethene	4.867	96	434708	10.287	ppbv	97
23) Vinyl Acetate	5.057	43	830069	11.331	ppbv	97
24) 1,1-Dichloroethane	4.996	63	857547	10.166	ppbv	99
25) Ethyl Acetate	5.655	43	2463692	11.117	ppbv	100
26) Hexane	5.668	57	1083861	11.008	ppbv	96
27) Carbon Disulfide	4.536	76	1005575	10.751	ppbv	100
28) Methyl tert-Butyl Ether	5.015	73	821121	10.961	ppbv	100
29) Chloroform	5.732	83	1651415	10.366	ppbv	98
30) Cyclohexane	7.108	84	940887	11.413	ppbv	94
31) cis-1,2-Dichloroethene	5.533	61	1044182	10.409	ppbv	91
32) 1,1,1-Trichloroethane	6.491	97	1658096	10.409	ppbv	98
34) 2-Butanone	5.224	43	1445641	10.497	ppbv	99
35) Carbon Tetrachloride	6.999	117	1669226	9.385	ppbv	98
36) Benzene	6.870	78	2314070	10.017	ppbv	97
37) 1,2-Dichloroethane	6.285	62	1222502	8.553	ppbv #	96
38) Trichloroethene	7.812	130	1011039	9.845	ppbv	95
39) 1,2-Dichloropropane	7.590	63	883896	9.834	ppbv	97
40) 1,4-Dioxane	7.806	88	321354	9.954	ppbv	98
41) Tetrahydrofuran	6.025	42	942069	10.178	ppbv	99
42) Bromodichloromethane	7.767	83	1800431	9.214	ppbv	99
43) Methyl Methacrylate	7.992	69	948762	10.117	ppbv	96
44) 2,2,4-Trimethylpentane	7.848	57	3819671	9.423	ppbv	98
45) t-1,3-Dichloropropene	9.253	75	1025137	11.292	ppbv	95

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	1290419	10.719	ppbv	95
47) 1,1,2-Trichloroethane	9.449	97	938502	10.039	ppbv	98
48) Dibromochloromethane	10.278	129	1506464	9.901	ppbv	98
49) Bromoform	13.015	173	1199938	10.340	ppbv	99
50) 4-Methyl-2-Pentanone	8.713	43	2369596	9.812	ppbv	98
51) 2-Hexanone	10.105	43	1950863	11.069	ppbv #	100
52) Tetrachloroethene	11.195	164	796989	9.654	ppbv	99
53) Toluene	9.780	91	2678212	10.344	ppbv	98
54) 1,2-Dibromoethane	10.584	107	1319045	10.364	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.098	131	1075830	10.061	ppbv	97
57) Chlorobenzene	12.121	112	1875670	10.267	ppbv	92
58) Ethyl Benzene	12.683	91	3573711	10.189	ppbv	99
59) m/p-Xylene	12.970	91	5901850m	19.711	ppbv	
60) o-Xylene	13.661	91	2779515	9.863	ppbv	99
61) Styrene	13.503	104	1757166	11.680	ppbv	93
62) Isopropylbenzene	14.638	105	4041310	9.806	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1586331	9.560	ppbv	100
64) n-propylbenzene	15.532	120	1032707	10.365	ppbv	98
65) tert-Butylbenzene	16.715	119	3477314	9.630	ppbv	95
66) Benzyl Chloride	16.960	91	618290	13.100	ppbv	97
67) sec-Butylbenzene	17.265	105	5068798	9.826	ppbv	100
69) p-Isopropyltoluene	17.625	119	4132042	9.915	ppbv	98
70) n-Butylbenzene	18.519	91	4393427	9.923	ppbv	99
71) 2-Chlorotoluene	15.423	91	3100222	9.758	ppbv	98
72) 4-Ethyltoluene	15.812	105	3291010	10.248	ppbv	98
73) 1,3,5-Trimethylbenzene	15.969	105	2989558	10.341	ppbv	98
74) 1,2,4-Trimethylbenzene	16.735	105	3128340	9.883	ppbv	93
75) 1,3-Dichlorobenzene	16.969	146	1778296	10.253	ppbv	100
76) 1,4-Dichlorobenzene	17.108	146	1732988	10.157	ppbv	98
77) 1,2-Dichlorobenzene	17.786	146	1729642	10.083	ppbv	99
78) Hexachloro-1,3-Butadiene	23.345	225	1397705	8.866	ppbv	100
79) Naphthalene	22.159	128	3029416	11.782	ppbv	100
80) Naphthalene,2-methyl-	24.947	142	1125922	14.475	ppbv	93
81) 1,2,4-Trichlorobenzene	21.892	180	1568857	10.412	ppbv	99

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

