

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL038990.D
 Acq On : 9 May 2022 16:25
 Operator : SY/AP
 Sample : VL0509ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0509ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 05:44:46 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 10 05:44:46 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	5.652	49	1144453	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	2679867	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	2610207m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2195024 10.619 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	2546938	14.203	ppbv	99
3) Chlorodifluoromethane	2.986	51	1456032	10.253	ppbv	98
4) Chloromethane	3.134	50	722444	10.158	ppbv	97
5) Vinyl Chloride	3.253	62	727548	11.203	ppbv	96
6) Bromomethane	3.468	94	351090	11.444	ppbv	93
7) Chloroethane	3.552	64	262277	12.066	ppbv	97
8) Dichlorotetrafluoroethane	3.182	85	1809885	11.137	ppbv	97
9) Propene	3.005	41	573451	9.247	ppbv	96
10) Heptane	8.102	43	1510559	9.928	ppbv	100
11) Trichlorofluoromethane	3.941	101	1801604	11.710	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.475	101	1242334	11.722	ppbv	99
13) Ethanol	3.600	45	30315	6.907	ppbv	92
14) Bromoethene	3.732	108	520794	11.916	ppbv	98
15) Acetone	3.838	43	1213070	11.237	ppbv	99
16) 1,3-Butadiene	3.324	39	670350	10.808	ppbv	99
17) tert-Butyl alcohol	4.272	59	884246	10.657	ppbv	98
18) 1,1-Dichloroethene	4.279	96	552314	12.109	ppbv	92
19) Isopropyl Alcohol	3.954	45	537245	10.467	ppbv #	93
20) Methylene Chloride	4.337	84	442947	10.886	ppbv	98
21) Allyl Chloride	4.404	41	877480	11.928	ppbv	99
22) trans-1,2-Dichloroethene	4.870	96	580756	11.787	ppbv	97
23) Vinyl Acetate	5.060	43	1006334	11.781	ppbv	97
24) 1,1-Dichloroethane	4.996	63	1141028	11.601	ppbv	99
25) Ethyl Acetate	5.661	43	2709109	10.485	ppbv	99
26) Hexane	5.671	57	1105116	9.626	ppbv	95
27) Carbon Disulfide	4.539	76	1391997	12.764	ppbv	99
28) Methyl tert-Butyl Ether	5.018	73	1019860	11.676	ppbv	99
29) Chloroform	5.738	83	1974717	10.631	ppbv	99
30) Cyclohexane	7.115	84	922441	9.597	ppbv	99
31) cis-1,2-Dichloroethene	5.533	61	1245591	10.649	ppbv	99
32) 1,1,1-Trichloroethane	6.494	97	2021702	10.885	ppbv	99
34) 2-Butanone	5.230	43	1627742	11.906	ppbv	99
35) Carbon Tetrachloride	7.002	117	2108771	11.943	ppbv	99
36) Benzene	6.873	78	2249576	9.809	ppbv	97
37) 1,2-Dichloroethane	6.291	62	1686117	11.883	ppbv	97
38) Trichloroethene	7.816	130	1027192	10.075	ppbv	97
39) 1,2-Dichloropropane	7.594	63	905222	10.144	ppbv	92
40) 1,4-Dioxane	7.809	88	288286	8.995	ppbv #	1
41) Tetrahydrofuran	6.031	42	947885	10.316	ppbv	99
42) Bromodichloromethane	7.774	83	2212608	11.406	ppbv	98
43) Methyl Methacrylate	7.996	69	986541	10.596	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	4014396	9.976	ppbv	98
45) t-1,3-Dichloropropene	9.256	75	1155209	12.818	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1377596	11.527	ppbv	99
47) 1,1,2-Trichloroethane	9.452	97	950342	10.240	ppbv	99
48) Dibromochloromethane	10.282	129	1752143	11.599	ppbv	99
49) Bromoform	13.015	173	1468514	12.747	ppbv	98
50) 4-Methyl-2-Pentanone	8.716	43	2563493	10.693	ppbv	100
51) 2-Hexanone	10.111	43	2038758	11.652	ppbv #	98
52) Tetrachloroethene	11.198	164	812226	9.911	ppbv	98
53) Toluene	9.783	91	2646614	10.296	ppbv	100
54) 1,2-Dibromoethane	10.587	107	1392359	11.020	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.105	131	1204872	10.521	ppbv	100
57) Chlorobenzene	12.121	112	1939807	9.914	ppbv	99
58) Ethyl Benzene	12.687	91	3702628	9.857	ppbv	99
59) m/p-Xylene	12.970	91	6483472m	20.218	ppbv	
60) o-Xylene	13.667	91	3124858	10.353	ppbv	96
61) Styrene	13.500	104	1748819	10.853	ppbv	98
62) Isopropylbenzene	14.642	105	4422547	10.020	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.651	83	1752458	9.860	ppbv	100
64) n-propylbenzene	15.539	120	1113748	10.437	ppbv	98
65) tert-Butylbenzene	16.719	119	3865216	9.994	ppbv	97
66) Benzyl Chloride	16.960	91	698588	13.819	ppbv	98
67) sec-Butylbenzene	17.269	105	5527376	10.004	ppbv	100
69) p-Isopropyltoluene	17.625	119	4563463	10.224	ppbv	99
70) n-Butylbenzene	18.519	91	4928036	10.392	ppbv	100
71) 2-Chlorotoluene	15.426	91	3488362	10.252	ppbv	98
72) 4-Ethyltoluene	15.812	105	3542880	10.301	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	3294379	10.640	ppbv	99
74) 1,2,4-Trimethylbenzene	16.735	105	3538811	10.438	ppbv	99
75) 1,3-Dichlorobenzene	16.966	146	1922110	10.348	ppbv	99
76) 1,4-Dichlorobenzene	17.111	146	1881150	10.294	ppbv	98
77) 1,2-Dichlorobenzene	17.786	146	1902954	10.358	ppbv	99
78) Hexachloro-1,3-Butadiene	23.345	225	1549756	9.179	ppbv	99
79) Naphthalene	22.159	128	3103565	11.270	ppbv	99
80) Naphthalene,2-methyl-	24.947	142	886424	10.640	ppbv	98
81) 1,2,4-Trichlorobenzene	21.895	180	1674660	10.378	ppbv	99

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

