

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110722\
 Data File : VL039834.D
 Acq On : 7 Nov 2022 10:59
 Operator : SY/AP
 Sample : VL1107ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1107ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/08/2022
 Supervised By : Mahesh Dadoda 11/09/2022

Quant Time: Nov 08 06:12:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1086817	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2893942	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2883379	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2172145 10.065 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.748	85	1215438m	6.624	ppbv	
3) Chlorodifluoromethane	2.694	51	1218505	9.404	ppbv	97
4) Chloromethane	2.832	50	729935	9.048	ppbv	98
5) Vinyl Chloride	2.938	62	617100	9.448	ppbv	94
6) Bromomethane	3.134	94	214891	9.223	ppbv	99
7) Chloroethane	3.211	64	215302	8.796	ppbv	99
8) Dichlorotetrafluoroethane	2.874	85	1420878	9.086	ppbv	97
9) Propene	2.713	41	591606	8.764	ppbv	100
10) Heptane	7.578	43	1462603	9.044	ppbv	100
11) Trichlorofluoromethane	3.578	101	1456458	9.733	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	1014663	9.388	ppbv	99
13) Ethanol	3.256	45	40960m	8.585	ppbv	
14) Bromoethene	3.382	108	474787	9.811	ppbv	99
15) Acetone	3.481	43	1001732	7.572	ppbv	99
16) 1,3-Butadiene	3.002	39	550283	8.945	ppbv	100
17) tert-Butyl alcohol	3.890	59	1135832	9.016	ppbv	98
18) 1,1-Dichloroethene	3.893	96	473359	9.552	ppbv	92
19) Isopropyl Alcohol	3.587	45	562738	8.595	ppbv #	32
20) Methylene Chloride	3.944	84	373786	7.898	ppbv	96
21) Allyl Chloride	4.009	41	720955	8.616	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	452204	8.991	ppbv	93
23) Vinyl Acetate	4.632	43	434125m	8.237	ppbv	
24) 1,1-Dichloroethane	4.571	63	939540	8.728	ppbv	99
25) Ethyl Acetate	5.211	43	2523184	9.260	ppbv	99
26) Hexane	5.221	57	1095934	9.020	ppbv	97
27) Carbon Disulfide	4.134	76	1210646	9.489	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	932587	8.480	ppbv	98
29) Chloroform	5.279	83	1763411	10.322	ppbv	97
30) Cyclohexane	6.603	84	954504	9.395	ppbv	96
31) cis-1,2-Dichloroethene	5.086	61	1114567	10.061	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	1778505	10.458	ppbv	98
34) 2-Butanone	4.793	43	1082893	9.071	ppbv	96
35) Carbon Tetrachloride	6.494	117	1777033	10.535	ppbv	99
36) Benzene	6.372	78	2406585	9.858	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1287635	10.994	ppbv	99
38) Trichloroethene	7.291	130	1256476	9.616	ppbv	96
39) 1,2-Dichloropropane	7.073	63	929481	9.772	ppbv	94
40) 1,4-Dioxane	7.285	88	361396	9.923	ppbv #	1
41) Tetrahydrofuran	5.558	42	962898	9.650	ppbv	99
42) Bromodichloromethane	7.246	83	1933093	10.334	ppbv	96
43) Methyl Methacrylate	7.475	69	955999	9.909	ppbv	99
44) 2,2,4-Trimethylpentane	7.324	57	3894128	9.451	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	965295	10.445	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1274297	10.102	ppbv	99
47) 1,1,2-Trichloroethane	8.893	97	963550	10.005	ppbv	99
48) Dibromochloromethane	9.703	129	1575124	9.598	ppbv	100
49) Bromoform	12.401	173	1185987	8.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2401709	9.826	ppbv	100
51) 2-Hexanone	9.549	43	1897986	9.959	ppbv #	98
52) Tetrachloroethene	10.610	164	792314	8.663	ppbv	98
53) Toluene	9.217	91	2672773	9.544	ppbv	99
54) 1,2-Dibromoethane	10.002	107	1109111	10.376	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	1098188	8.908	ppbv	98
57) Chlorobenzene	11.523	112	1898680	8.681	ppbv	97
58) Ethyl Benzene	12.082	91	3511249	9.006	ppbv	99
59) m/p-Xylene	12.368	91	5733527m	17.618	ppbv	
60) o-Xylene	13.053	91	2723609	8.834	ppbv	98
61) Styrene	12.893	104	1716401	9.047	ppbv	99
62) Isopropylbenzene	14.024	105	3834444	8.525	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.040	83	951734	8.289	ppbv	98
64) n-propylbenzene	14.912	120	988856	8.219	ppbv	88
65) tert-Butylbenzene	16.085	119	3119331	7.899	ppbv	96
66) Benzyl Chloride	16.323	91	307608m	6.699	ppbv	
67) sec-Butylbenzene	16.632	105	4461408	8.299	ppbv	98
69) p-Isopropyltoluene	16.992	119	3506267	7.864	ppbv	98
70) n-Butylbenzene	17.883	91	3742623	8.682	ppbv	97
71) 2-Chlorotoluene	14.793	91	2927567	8.663	ppbv	98
72) 4-Ethyltoluene	15.188	105	3021703	8.703	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2665165	8.659	ppbv	94
74) 1,2,4-Trimethylbenzene	16.105	105	2767417	8.463	ppbv	94
75) 1,3-Dichlorobenzene	16.323	146	1550874	8.123	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1497115	7.991	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1464086	8.134	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1017117m	7.627	ppbv	
79) Naphthalene	21.374	128	2303086	9.687	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	831960	8.254	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1207813	9.082	ppbv	100

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

