

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039789.D
 Acq On : 25 Oct 2022 15:50
 Operator : SY/AP
 Sample : VL1025ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 25 16:20:27 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	939800	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2446831	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2403295m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1664906 9.738 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	991403	10.075	ppbv	97
3) Chlorodifluoromethane	2.697	51	1118593	9.908	ppbv	99
4) Chloromethane	2.835	50	698184	9.879	ppbv	99
5) Vinyl Chloride	2.944	62	597329	10.190	ppbv	97
6) Bromomethane	3.140	94	209771	9.961	ppbv	95
7) Chloroethane	3.218	64	214630	10.196	ppbv	95
8) Dichlorotetrafluoroethane	2.880	85	1346693	10.483	ppbv	98
9) Propene	2.716	41	514583	10.609	ppbv	92
10) Heptane	7.584	43	1290758	11.115	ppbv	100
11) Trichlorofluoromethane	3.581	101	1395203	10.148	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.083	101	1063862	9.978	ppbv	100
13) Ethanol	3.263	45	42460m	12.188	ppbv	
14) Bromoethene	3.388	108	432774	10.228	ppbv	98
15) Acetone	3.488	43	1014850	9.041	ppbv	98
16) 1,3-Butadiene	3.009	39	569321	10.261	ppbv	98
17) tert-Butyl alcohol	3.893	59	936946	10.234	ppbv	97
18) 1,1-Dichloroethene	3.899	96	453412	9.664	ppbv	96
19) Isopropyl Alcohol	3.594	45	587933	11.179	ppbv #	98
20) Methylene Chloride	3.951	84	395761	9.267	ppbv	94
21) Allyl Chloride	4.012	41	745304	10.258	ppbv	100
22) trans-1,2-Dichloroethene	4.462	96	474963	9.745	ppbv	97
23) Vinyl Acetate	4.642	43	441449	10.202	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1013829	10.061	ppbv	98
25) Ethyl Acetate	5.218	43	2319905	10.571	ppbv	99
26) Hexane	5.227	57	947782	10.386	ppbv	98
27) Carbon Disulfide	4.140	76	1210721	11.177	ppbv	96
28) Methyl tert-Butyl Ether	4.600	73	782790	9.860	ppbv	100
29) Chloroform	5.288	83	1417131	9.878	ppbv	99
30) Cyclohexane	6.610	84	784584	10.493	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	907970	10.308	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1394334	10.709	ppbv	100
34) 2-Butanone	4.800	43	1207941	10.494	ppbv	100
35) Carbon Tetrachloride	6.504	117	1500588	10.757	ppbv	98
36) Benzene	6.378	78	1988366	10.552	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1070288	10.458	ppbv	99
38) Trichloroethene	7.298	130	1170752	11.006	ppbv	95
39) 1,2-Dichloropropane	7.079	63	759971	10.469	ppbv	95
40) 1,4-Dioxane	7.295	88	309445	12.506	ppbv #	100
41) Tetrahydrofuran	5.571	42	800006	11.186	ppbv	99
42) Bromodichloromethane	7.256	83	1548687	10.746	ppbv	100
43) Methyl Methacrylate	7.481	69	778100	11.858	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3387617	10.753	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	702769	12.606	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	987859	12.348	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	801470	10.311	ppbv	97
48) Dibromochloromethane	9.713	129	1338659	10.698	ppbv	100
49) Bromoform	12.407	173	1069640	10.495	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2126194	11.772	ppbv	100
51) 2-Hexanone	9.555	43	1641498	12.415	ppbv #	99
52) Tetrachloroethene	10.616	164	734332	10.403	ppbv	97
53) Toluene	9.224	91	2302549	11.663	ppbv	99
54) 1,2-Dibromoethane	10.012	107	904741	11.466	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	970929	9.548	ppbv	96
57) Chlorobenzene	11.529	112	1726853	9.367	ppbv	98
58) Ethyl Benzene	12.092	91	2960289	10.812	ppbv	100
59) m/p-Xylene	12.375	91	5043723m	20.410	ppbv	
60) o-Xylene	13.060	91	2391553	10.321	ppbv	99
61) Styrene	12.899	104	1407229	11.564	ppbv	100
62) Isopropylbenzene	14.034	105	3464532	9.787	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	819429	8.408	ppbv	99
64) n-propylbenzene	14.921	120	880046	9.817	ppbv	97
65) tert-Butylbenzene	16.092	119	2944441	9.545	ppbv	99
66) Benzyl Chloride	16.330	91	199330	9.109	ppbv	98
67) sec-Butylbenzene	16.635	105	4129958	9.505	ppbv	99
69) p-Isopropyltoluene	16.995	119	3413835	9.713	ppbv	99
70) n-Butylbenzene	17.886	91	3350445	9.969	ppbv	99
71) 2-Chlorotoluene	14.802	91	2447560	9.955	ppbv	100
72) 4-Ethyltoluene	15.195	105	2721045	10.195	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2412319	10.099	ppbv	94
74) 1,2,4-Trimethylbenzene	16.108	105	2581327	9.542	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	1498401	9.126	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1434092	9.158	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	1443168	9.218	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1046309	8.769	ppbv	99
79) Naphthalene	21.378	128	2111883	12.766	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	665328	11.844	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	1187744	10.864	ppbv	99

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

