

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039581.D
 Acq On : 25 Aug 2022 17:00
 Operator : SY/AP
 Sample : VL0825ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0825ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 26 06:20:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1068327	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2830306	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2697111	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1986559 9.763 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1137442	8.001	ppbv	99
3) Chlorodifluoromethane	2.693	51	1202895	9.451	ppbv	96
4) Chloromethane	2.832	50	722430	9.423	ppbv	99
5) Vinyl Chloride	2.941	62	639873	10.341	ppbv	99
6) Bromomethane	3.137	94	244155	9.304	ppbv	98
7) Chloroethane	3.217	64	234881	10.132	ppbv	93
8) Dichlorotetrafluoroethane	2.877	85	1447266	9.516	ppbv	96
9) Propene	2.713	41	587779	10.092	ppbv	97
10) Heptane	7.587	43	1409493	10.450	ppbv	99
11) Trichlorofluoromethane	3.581	101	1490782	9.555	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.082	101	1115153	9.663	ppbv	98
13) Ethanol	3.256	45	34249m	8.182	ppbv	
14) Bromoethene	3.385	108	469342	9.954	ppbv	97
15) Acetone	3.484	43	1146215	9.578	ppbv	99
16) 1,3-Butadiene	3.005	39	622032	9.961	ppbv	98
17) tert-Butyl alcohol	3.893	59	1053236	10.312	ppbv	99
18) 1,1-Dichloroethene	3.899	96	502287	9.664	ppbv	98
19) Isopropyl Alcohol	3.594	45	621037	10.668	ppbv #	97
20) Methylene Chloride	3.947	84	410714	8.448	ppbv	96
21) Allyl Chloride	4.012	41	792460	10.180	ppbv	98
22) trans-1,2-Dichloroethene	4.459	96	495066	9.576	ppbv	97
23) Vinyl Acetate	4.642	43	578935	10.174	ppbv	98
24) 1,1-Dichloroethane	4.578	63	1014685	9.634	ppbv	99
25) Ethyl Acetate	5.217	43	2545750	9.942	ppbv	99
26) Hexane	5.224	57	1055832	10.103	ppbv	97
27) Carbon Disulfide	4.140	76	1276484	11.433	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	878148	9.740	ppbv	98
29) Chloroform	5.288	83	1568903	9.599	ppbv	100
30) Cyclohexane	6.613	84	882026	10.192	ppbv	95
31) cis-1,2-Dichloroethene	5.092	61	1025848	10.134	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1533612	10.666	ppbv	99
34) 2-Butanone	4.803	43	1466281	10.421	ppbv	98
35) Carbon Tetrachloride	6.503	117	1672566	10.932	ppbv	99
36) Benzene	6.381	78	2216037	10.271	ppbv	96
37) 1,2-Dichloroethane	5.819	62	1170758	9.851	ppbv	98
38) Trichloroethene	7.298	130	1242684	10.750	ppbv	100
39) 1,2-Dichloropropane	7.079	63	844875	10.416	ppbv	97
40) 1,4-Dioxane	7.298	88	346968	10.925	ppbv	94
41) Tetrahydrofuran	5.568	42	892907	10.623	ppbv	98
42) Bromodichloromethane	7.256	83	1746344	10.739	ppbv	98
43) Methyl Methacrylate	7.484	69	873269	11.225	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	3713535	10.210	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	855836	12.632	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1155076	12.308	ppbv	97
47) 1,1,2-Trichloroethane	8.905	97	900120	9.717	ppbv	95
48) Dibromochloromethane	9.712	129	1564353	11.456	ppbv	99
49) Bromoform	12.407	173	1339154	11.840	ppbv	98
50) 4-Methyl-2-Pentanone	8.188	43	2315734	10.564	ppbv	99
51) 2-Hexanone	9.558	43	1768552	10.962	ppbv #	100
52) Tetrachloroethene	10.622	164	850553	10.420	ppbv	94
53) Toluene	9.227	91	2618423	10.844	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1107823	10.692	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	1129981	10.311	ppbv	96
57) Chlorobenzene	11.532	112	1971573	9.798	ppbv	97
58) Ethyl Benzene	12.095	91	3422526	11.045	ppbv	98
59) m/p-Xylene	12.378	91	5729384m	20.609	ppbv	
60) o-Xylene	13.063	91	2742962	10.279	ppbv	99
61) Styrene	12.902	104	1662576	11.698	ppbv	99
62) Isopropylbenzene	14.034	105	4000206	9.913	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	1132151	8.959	ppbv	99
64) n-propylbenzene	14.918	120	1056028	10.069	ppbv	99
65) tert-Butylbenzene	16.095	119	3548772	9.893	ppbv	98
66) Benzyl Chloride	16.333	91	360801	12.383	ppbv	95
67) sec-Butylbenzene	16.641	105	4859462	9.565	ppbv	100
69) p-Isopropyltoluene	16.998	119	4136176	9.807	ppbv	99
70) n-Butylbenzene	17.892	91	4106374	9.787	ppbv	99
71) 2-Chlorotoluene	14.805	91	2939964	10.059	ppbv	100
72) 4-Ethyltoluene	15.198	105	3254407	10.430	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2893476	10.147	ppbv	97
74) 1,2,4-Trimethylbenzene	16.114	105	3088699	9.721	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	1880090	9.733	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1823406	9.474	ppbv	99
77) 1,2-Dichlorobenzene	17.149	146	1789487	9.460	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1465098m	9.725	ppbv	
79) Naphthalene	21.387	128	3111165	13.749	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	1057820	11.519	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	1724121	11.411	ppbv	100

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

