

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091922\
 Data File : VL039634.D
 Acq On : 19 Sep 2022 14:43
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL091922

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 19 15:56:59 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 19 2022

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1206066	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	3136801	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	3066872m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2325950 10.160 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1336532	9.559	ppbv	100
3) Chlorodifluoromethane	2.700	51	1242902	8.684	ppbv	96
4) Chloromethane	2.838	50	776478	8.990	ppbv	100
5) Vinyl Chloride	2.944	62	641116	8.906	ppbv	96
6) Bromomethane	3.144	94	245298	9.239	ppbv	95
7) Chloroethane	3.224	64	251267	9.544	ppbv	100
8) Dichlorotetrafluoroethane	2.883	85	1547598	9.227	ppbv	95
9) Propene	2.719	41	605552	9.264	ppbv	100
10) Heptane	7.597	43	1431557	9.385	ppbv	98
11) Trichlorofluoromethane	3.587	101	1542806	8.910	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	1148156	8.779	ppbv	98
13) Ethanol	3.263	45	47495m	9.536	ppbv	
14) Bromoethene	3.391	108	506120	9.694	ppbv	98
15) Acetone	3.491	43	1156709	8.619	ppbv	100
16) 1,3-Butadiene	3.012	39	632373	9.289	ppbv	97
17) tert-Butyl alcohol	3.902	59	1090497	9.054	ppbv	99
18) 1,1-Dichloroethene	3.902	96	521450	9.062	ppbv	97
19) Isopropyl Alcohol	3.597	45	652935	9.545	ppbv	98
20) Methylene Chloride	3.957	84	441049m	7.108	ppbv	
21) Allyl Chloride	4.021	41	815464	8.923	ppbv	99
22) trans-1,2-Dichloroethene	4.468	96	504974	8.871	ppbv	94
23) Vinyl Acetate	4.648	43	512424	8.446	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1105584	9.151	ppbv	100
25) Ethyl Acetate	5.224	43	2637178	9.012	ppbv	99
26) Hexane	5.234	57	1084471	8.733	ppbv	97
27) Carbon Disulfide	4.147	76	1307454	10.018	ppbv	100
28) Methyl tert-Butyl Ether	4.610	73	931257	8.926	ppbv	100
29) Chloroform	5.295	83	1632831	9.108	ppbv	98
30) Cyclohexane	6.619	84	913112	9.495	ppbv	96
31) cis-1,2-Dichloroethene	5.099	61	1083124	9.643	ppbv	99
32) 1,1,1-Trichloroethane	6.025	97	1559628	9.609	ppbv	99
34) 2-Butanone	4.809	43	1492391	9.686	ppbv	99
35) Carbon Tetrachloride	6.510	117	1655931	9.944	ppbv	100
36) Benzene	6.388	78	2270076	9.466	ppbv	96
37) 1,2-Dichloroethane	5.825	62	1228265	9.410	ppbv	99
38) Trichloroethene	7.311	130	1272100	9.815	ppbv	97
39) 1,2-Dichloropropane	7.092	63	861669	9.305	ppbv	95
40) 1,4-Dioxane	7.304	88	352424	9.320	ppbv	98
41) Tetrahydrofuran	5.578	42	932315	9.863	ppbv	97
42) Bromodichloromethane	7.266	83	1744171	9.607	ppbv	98
43) Methyl Methacrylate	7.491	69	893213	10.217	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3810497	9.219	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	850543	11.514	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	1142435	10.863	ppbv	94
47) 1,1,2-Trichloroethane	8.915	97	910677	8.997	ppbv	96
48) Dibromochloromethane	9.725	129	1483316	9.731	ppbv	99
49) Bromoform	12.423	173	1219620	9.674	ppbv	98
50) 4-Methyl-2-Pentanone	8.198	43	2405538	9.936	ppbv	98
51) 2-Hexanone	9.568	43	1851691	10.332	ppbv #	100
52) Tetrachloroethene	10.632	164	830762	9.080	ppbv	98
53) Toluene	9.237	91	2628940	9.856	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1060318	9.792	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.523	131	1090619	8.800	ppbv	95
57) Chlorobenzene	11.545	112	1939082	8.598	ppbv	99
58) Ethyl Benzene	12.105	91	3381087	9.562	ppbv	99
59) m/p-Xylene	12.388	91	5664805m	18.001	ppbv	
60) o-Xylene	13.072	91	2709466	9.016	ppbv	99
61) Styrene	12.915	104	1648301	10.184	ppbv	98
62) Isopropylbenzene	14.047	105	3926921	8.684	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	1000729	8.348	ppbv	99
64) n-propylbenzene	14.931	120	1013023	8.748	ppbv	97
65) tert-Butylbenzene	16.108	119	3414813	8.547	ppbv	100
66) Benzyl Chloride	16.342	91	257599	8.098	ppbv	99
67) sec-Butylbenzene	16.651	105	4739474	8.458	ppbv	99
69) p-Isopropyltoluene	17.011	119	3962835	8.606	ppbv	100
70) n-Butylbenzene	17.902	91	3981446	8.821	ppbv	99
71) 2-Chlorotoluene	14.815	91	2857058	8.751	ppbv	99
72) 4-Ethyltoluene	15.211	105	3156524	9.201	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2804801	8.934	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	2993690	8.507	ppbv	99
75) 1,3-Dichlorobenzene	16.346	146	1775988	8.458	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1773059	8.441	ppbv	98
77) 1,2-Dichlorobenzene	17.159	146	1722730	8.414	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1389226	8.880	ppbv	99
79) Naphthalene	21.397	128	2945315	12.683	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	1145773	13.122	ppbv	100
81) 1,2,4-Trichlorobenzene	21.153	180	1637266	10.734	ppbv	98

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

