

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039679.D
 Acq On : 23 Sep 2022 10:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/27/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 23 16:51:40 2022

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

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

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	5.208	49	988367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2570717	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2441668	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1921221 10.540 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	857486	7.483	ppbv	96
3) Chlorodifluoromethane	2.697	51	1085767	9.257	ppbv	98
4) Chloromethane	2.835	50	585978	8.279	ppbv	98
5) Vinyl Chloride	2.941	62	551206	9.343	ppbv	97
6) Bromomethane	3.144	94	228958	10.523	ppbv	93
7) Chloroethane	3.221	64	196895	9.126	ppbv	92
8) Dichlorotetrafluoroethane	2.880	85	1199636	8.728	ppbv	96
9) Propene	2.716	41	474599	8.860	ppbv	99
10) Heptane	7.590	43	1250089	10.000	ppbv	98
11) Trichlorofluoromethane	3.584	101	1371614	9.666	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	1010540	9.429	ppbv	99
13) Ethanol	3.263	45	38628m	9.464	ppbv	
14) Bromoethene	3.388	108	402987	9.418	ppbv	97
15) Acetone	3.491	43	997382	9.069	ppbv	99
16) 1,3-Butadiene	3.009	39	555509	9.957	ppbv	96
17) tert-Butyl alcohol	3.896	59	989723	10.028	ppbv	100
18) 1,1-Dichloroethene	3.899	96	441706	9.367	ppbv	96
19) Isopropyl Alcohol	3.594	45	511568	9.125	ppbv	98
20) Methylene Chloride	3.954	84	368280	7.243	ppbv	99
21) Allyl Chloride	4.018	41	690185	9.216	ppbv	98
22) trans-1,2-Dichloroethene	4.465	96	436897	9.365	ppbv	95
23) Vinyl Acetate	4.642	43	258302	5.195	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	975620	9.854	ppbv	98
25) Ethyl Acetate	5.221	43	2520638	10.511	ppbv	99
26) Hexane	5.227	57	901328	8.856	ppbv	83
27) Carbon Disulfide	4.144	76	1076649	10.066	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	766593	8.966	ppbv	99
29) Chloroform	5.291	83	1417192	9.646	ppbv	94
30) Cyclohexane	6.613	84	757264	9.609	ppbv	93
31) cis-1,2-Dichloroethene	5.095	61	843634	9.165	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1385973	10.420	ppbv	98
34) 2-Butanone	4.806	43	1122797	8.892	ppbv	97
35) Carbon Tetrachloride	6.507	117	1447405	10.606	ppbv	95
36) Benzene	6.385	78	1901856	9.677	ppbv	97
37) 1,2-Dichloroethane	5.819	62	1001276	9.360	ppbv	99
38) Trichloroethene	7.301	130	882247	8.306	ppbv	99
39) 1,2-Dichloropropane	7.086	63	723045	9.527	ppbv	96
40) 1,4-Dioxane	7.295	88	284555	9.182	ppbv #	1
41) Tetrahydrofuran	5.571	42	753989	9.733	ppbv	97
42) Bromodichloromethane	7.259	83	1519641	10.214	ppbv	98
43) Methyl Methacrylate	7.488	69	784663	10.952	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	3297064	9.733	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	528320	8.727	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	821950	9.537	ppbv	100
47) 1,1,2-Trichloroethane	8.905	97	805765	9.713	ppbv	98
48) Dibromochloromethane	9.716	129	1343920	10.758	ppbv	99
49) Bromoform	12.413	173	1152658	11.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2061570	10.390	ppbv	97
51) 2-Hexanone	9.561	43	1542633	10.503	ppbv	97
52) Tetrachloroethene	10.619	164	718943	9.588	ppbv	95
53) Toluene	9.227	91	2246596	10.278	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1025160	11.552	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	1060853	10.751	ppbv	97
57) Chlorobenzene	11.532	112	1741157	9.697	ppbv	99
58) Ethyl Benzene	12.095	91	3031149	10.767	ppbv	98
59) m/p-Xylene	12.381	91	5190441m	20.717	ppbv	
60) o-Xylene	13.066	91	2519331	10.530	ppbv	99
61) Styrene	12.905	104	1423839	11.050	ppbv	99
62) Isopropylbenzene	14.037	105	3870379	10.751	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	1540728	16.145	ppbv	99
64) n-propylbenzene	14.925	120	1012931	10.987	ppbv	95
65) tert-Butylbenzene	16.095	119	3484924	10.956	ppbv	100
66) Benzyl Chloride	16.336	91	178145	7.034	ppbv	99
67) sec-Butylbenzene	16.645	105	4930469	11.052	ppbv	98
69) p-Isopropyltoluene	17.005	119	4121070	11.242	ppbv	99
70) n-Butylbenzene	17.895	91	4111338	11.441	ppbv	99
71) 2-Chlorotoluene	14.809	91	2870178	11.042	ppbv	99
72) 4-Ethyltoluene	15.201	105	2961887	10.844	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2718345	10.876	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	2980178	10.638	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1763563	10.550	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1691377	10.114	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1729052	10.607	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1281609	10.290	ppbv	99
79) Naphthalene	21.391	128	2398201	12.971	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	604816	8.700	ppbv	98
81) 1,2,4-Trichlorobenzene	21.146	180	1358428	11.186	ppbv	100

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

