

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039636.D
 Acq On : 21 Sep 2022 14:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/22/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 08:15:20 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	5.211	49	1192658	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	3160943	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	3131409m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2300674 9.842 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1205871	8.721	ppbv	97
3) Chlorodifluoromethane	2.700	51	1248682	8.823	ppbv	96
4) Chloromethane	2.838	50	772399	9.044	ppbv	100
5) Vinyl Chloride	2.944	62	679425	9.544	ppbv	97
6) Bromomethane	3.144	94	248668	9.471	ppbv	96
7) Chloroethane	3.221	64	240095	9.222	ppbv	99
8) Dichlorotetrafluoroethane	2.883	85	1521644	9.175	ppbv	94
9) Propene	2.719	41	581674	8.998	ppbv	98
10) Heptane	7.594	43	1434380	9.509	ppbv	99
11) Trichlorofluoromethane	3.587	101	1533625	8.957	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	1144004	8.846	ppbv	97
13) Ethanol	3.263	45	43586m	8.849	ppbv	
14) Bromoethene	3.391	108	488203	9.456	ppbv	98
15) Acetone	3.491	43	1129984	8.515	ppbv	99
16) 1,3-Butadiene	3.009	39	627245	9.317	ppbv	98
17) tert-Butyl alcohol	3.899	59	1082205	9.087	ppbv	99
18) 1,1-Dichloroethene	3.906	96	503988	8.857	ppbv	99
19) Isopropyl Alcohol	3.597	45	662593	9.795	ppbv #	96
20) Methylene Chloride	3.957	84	440026	7.171	ppbv	96
21) Allyl Chloride	4.021	41	838389	9.277	ppbv	98
22) trans-1,2-Dichloroethene	4.468	96	513389	9.120	ppbv	99
23) Vinyl Acetate	4.648	43	494279	8.239	ppbv #	98
24) 1,1-Dichloroethane	4.587	63	1077053	9.015	ppbv	98
25) Ethyl Acetate	5.224	43	2629059	9.085	ppbv	99
26) Hexane	5.234	57	1080557	8.799	ppbv	97
27) Carbon Disulfide	4.147	76	1298694	10.063	ppbv	99
28) Methyl tert-Butyl Ether	4.613	73	932746	9.041	ppbv	99
29) Chloroform	5.295	83	1604476	9.050	ppbv	99
30) Cyclohexane	6.616	84	895350	9.415	ppbv	95
31) cis-1,2-Dichloroethene	5.099	61	1036220	9.329	ppbv	97
32) 1,1,1-Trichloroethane	6.025	97	1565663	9.755	ppbv	98
34) 2-Butanone	4.809	43	1469264	9.463	ppbv	98
35) Carbon Tetrachloride	6.513	117	1626875	9.695	ppbv	98
36) Benzene	6.388	78	2270219	9.394	ppbv	97
37) 1,2-Dichloroethane	5.829	62	1197426	9.104	ppbv	99
38) Trichloroethene	7.308	130	1269136	9.717	ppbv	98
39) 1,2-Dichloropropane	7.089	63	850279	9.112	ppbv	97
40) 1,4-Dioxane	7.304	88	340524	8.937	ppbv	97
41) Tetrahydrofuran	5.578	42	925781	9.719	ppbv	95
42) Bromodichloromethane	7.266	83	1720620	9.405	ppbv	99
43) Methyl Methacrylate	7.494	69	884894	10.045	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3789574	9.098	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	841124	11.299	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	1132377	10.685	ppbv	96
47) 1,1,2-Trichloroethane	8.915	97	897167	8.796	ppbv	97
48) Dibromochloromethane	9.725	129	1477864	9.622	ppbv	99
49) Bromoform	12.420	173	1212087	9.541	ppbv	98
50) 4-Methyl-2-Pentanone	8.198	43	2384850	9.775	ppbv	98
51) 2-Hexanone	9.568	43	1817690	10.065	ppbv #	99
52) Tetrachloroethene	10.629	164	832889	9.034	ppbv	96
53) Toluene	9.237	91	2603734	9.687	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1053797	9.657	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.523	131	1067567	8.436	ppbv	95
57) Chlorobenzene	11.539	112	1924933	8.360	ppbv	98
58) Ethyl Benzene	12.105	91	3367401	9.327	ppbv	98
59) m/p-Xylene	12.391	91	5595821m	17.415	ppbv	
60) o-Xylene	13.073	91	2678223	8.728	ppbv	99
61) Styrene	12.912	104	1625584	9.837	ppbv	98
62) Isopropylbenzene	14.047	105	3918749	8.487	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	993599	8.118	ppbv	100
64) n-propylbenzene	14.934	120	1007976	8.525	ppbv	97
65) tert-Butylbenzene	16.108	119	3382923	8.293	ppbv	100
66) Benzyl Chloride	16.339	91	247639	7.625	ppbv	99
67) sec-Butylbenzene	16.651	105	4702819	8.219	ppbv	99
69) p-Isopropyltoluene	17.011	119	3955230	8.413	ppbv	99
70) n-Butylbenzene	17.902	91	3962649	8.598	ppbv	99
71) 2-Chlorotoluene	14.812	91	2831893	8.495	ppbv	100
72) 4-Ethyltoluene	15.208	105	3117005	8.898	ppbv	100
73) 1,3,5-Trimethylbenzene	15.368	105	2784552	8.687	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	2988637	8.318	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1781615	8.310	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1720765	8.024	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1689078	8.079	ppbv	99
78) Hexachloro-1,3-Butadiene	22.651	225	1367770	8.563	ppbv	99
79) Naphthalene	21.397	128	2910552	12.275	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	1100816	12.347	ppbv	99
81) 1,2,4-Trichlorobenzene	21.149	180	1655632m	10.631	ppbv	

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

