

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039864.D
 Acq On : 10 Nov 2022 9:50
 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 11/11/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 04:41:28 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	959961	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2209016	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2107697m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1851411 11.736 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 117.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1263366	7.795	ppbv	99
3) Chlorodifluoromethane	2.690	51	1221295	10.672	ppbv	95
4) Chloromethane	2.825	50	588886	8.264	ppbv	100
5) Vinyl Chloride	2.931	62	563461	9.767	ppbv	99
6) Bromomethane	3.131	94	223495	10.860	ppbv	96
7) Chloroethane	3.208	64	200530	9.276	ppbv	98
8) Dichlorotetrafluoroethane	2.870	85	1360793	9.852	ppbv	91
9) Propene	2.706	41	507204	8.506	ppbv	100
10) Heptane	7.565	43	1304590	9.133	ppbv	99
11) Trichlorofluoromethane	3.571	101	1472037	11.137	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.070	101	1032025	10.811	ppbv	96
13) Ethanol	3.253	45	25565m	6.066	ppbv	
14) Bromoethene	3.375	108	390521	9.136	ppbv #	93
15) Acetone	3.478	43	924298	7.910	ppbv	98
16) 1,3-Butadiene	2.999	39	517180	9.517	ppbv	95
17) tert-Butyl alcohol	3.883	59	897429	8.065	ppbv	99
18) 1,1-Dichloroethene	3.886	96	447038	10.213	ppbv	92
19) Isopropyl Alcohol	3.584	45	417731	7.223	ppbv #	34
20) Methylene Chloride	3.938	84	362431	8.670	ppbv	96
21) Allyl Chloride	3.999	41	643314	8.704	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	461958	10.398	ppbv	93
23) Vinyl Acetate	4.626	43	220316m	4.733	ppbv	
24) 1,1-Dichloroethane	4.565	63	924039	9.718	ppbv	99
25) Ethyl Acetate	5.198	43	2497658	10.377	ppbv	99
26) Hexane	5.208	57	910405	8.484	ppbv	83
27) Carbon Disulfide	4.128	76	1051932	9.335	ppbv	97
28) Methyl tert-Butyl Ether	4.587	73	887062	9.132	ppbv	97
29) Chloroform	5.269	83	1543212	10.227	ppbv	97
30) Cyclohexane	6.594	84	749249	8.349	ppbv	92
31) cis-1,2-Dichloroethene	5.076	61	817135	8.351	ppbv	99
32) 1,1,1-Trichloroethane	5.996	97	1534605	10.216	ppbv	96
34) 2-Butanone	4.787	43	1033722	11.343	ppbv	99
35) Carbon Tetrachloride	6.484	117	1507934	11.711	ppbv	97
36) Benzene	6.359	78	1920187	10.305	ppbv #	94
37) 1,2-Dichloroethane	5.800	62	1258971	14.082	ppbv #	95
38) Trichloroethene	7.279	130	814721	8.168	ppbv	94
39) 1,2-Dichloropropane	7.063	63	811617	11.179	ppbv	93
40) 1,4-Dioxane	7.275	88	278020	10.000	ppbv #	1
41) Tetrahydrofuran	5.552	42	799638	10.499	ppbv	98
42) Bromodichloromethane	7.234	83	1731074	12.123	ppbv	96
43) Methyl Methacrylate	7.465	69	825672	11.212	ppbv	91
44) 2,2,4-Trimethylpentane	7.314	57	3438252	10.931	ppbv	98
45) t-1,3-Dichloropropene	8.693	75	623571	8.839	ppbv	98

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	924482	9.601	ppbv	95
47) 1,1,2-Trichloroethane	8.880	97	794345	10.805	ppbv	97
48) Dibromochloromethane	9.690	129	1344808	10.735	ppbv	100
49) Bromoform	12.384	173	1052404	10.452	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2174539	11.655	ppbv	98
51) 2-Hexanone	9.536	43	1680322	11.551	ppbv #	98
52) Tetrachloroethene	10.597	164	625223	8.956	ppbv	92
53) Toluene	9.201	91	2153116	10.072	ppbv	98
54) 1,2-Dibromoethane	9.989	107	1034552	12.680	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.487	131	977552	10.848	ppbv	97
57) Chlorobenzene	11.507	112	1525166	9.540	ppbv	92
58) Ethyl Benzene	12.069	91	2958577	10.382	ppbv	96
59) m/p-Xylene	12.352	91	4977573m	20.924	ppbv	
60) o-Xylene	13.040	91	2406385	10.677	ppbv	94
61) Styrene	12.876	104	1347430	9.716	ppbv	95
62) Isopropylbenzene	14.008	105	3554376	10.811	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.028	83	1441552	17.176	ppbv	98
64) n-propylbenzene	14.899	120	889229	10.111	ppbv	76
65) tert-Butylbenzene	16.072	119	3029640	10.495	ppbv	90
66) Benzyl Chloride	16.307	91	118427m	3.528	ppbv	
67) sec-Butylbenzene	16.619	105	4382087	11.152	ppbv	96
69) p-Isopropyltoluene	16.979	119	3459895	10.615	ppbv	95
70) n-Butylbenzene	17.870	91	3803862	12.072	ppbv	97
71) 2-Chlorotoluene	14.780	91	2802232	11.344	ppbv	95
72) 4-Ethyltoluene	15.172	105	2713844	10.693	ppbv	95
73) 1,3,5-Trimethylbenzene	15.333	105	2451565	10.897	ppbv	90
74) 1,2,4-Trimethylbenzene	16.088	105	2594792	10.856	ppbv	96
75) 1,3-Dichlorobenzene	16.307	146	1393639	9.985	ppbv	97
76) 1,4-Dichlorobenzene	16.452	146	1328901	9.703	ppbv	97
77) 1,2-Dichlorobenzene	17.124	146	1378604	10.478	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	880120	9.029	ppbv	99
79) Naphthalene	21.362	128	1790971	10.306	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	403408m	5.475	ppbv	
81) 1,2,4-Trichlorobenzene	21.117	180	958571	9.861	ppbv	99

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

