

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039808.D
 Acq On : 26 Oct 2022 10:18
 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 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 26 10:49:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	853442	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	2237887	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	2135398	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1514134 9.968 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	820012	9.177	ppbv	99
3) Chlorodifluoromethane	2.703	51	1045471	10.198	ppbv	99
4) Chloromethane	2.845	50	566594	8.828	ppbv	100
5) Vinyl Chloride	2.948	62	522015	9.807	ppbv	100
6) Bromomethane	3.150	94	215921	11.291	ppbv	98
7) Chloroethane	3.224	64	196370	10.272	ppbv	97
8) Dichlorotetrafluoroethane	2.883	85	1199280	10.280	ppbv	98
9) Propene	2.722	41	418763	9.507	ppbv	97
10) Heptane	7.597	43	1196867	11.349	ppbv	98
11) Trichlorofluoromethane	3.591	101	1260756	10.098	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	975378	10.074	ppbv	98
13) Ethanol	3.279	45	26435m	8.356	ppbv	
14) Bromoethene	3.394	108	398685	10.376	ppbv	94
15) Acetone	3.497	43	956622	9.384	ppbv	99
16) 1,3-Butadiene	3.012	39	515564	10.233	ppbv	98
17) tert-Butyl alcohol	3.906	59	820434	9.868	ppbv	97
18) 1,1-Dichloroethene	3.906	96	427589	10.035	ppbv	96
19) Isopropyl Alcohol	3.600	45	461051	9.653	ppbv #	96
20) Methylene Chloride	3.960	84	356756	9.199	ppbv	98
21) Allyl Chloride	4.021	41	665350	10.085	ppbv	98
22) trans-1,2-Dichloroethene	4.472	96	410722	9.280	ppbv	98
23) Vinyl Acetate	4.652	43	226677m	5.769	ppbv	
24) 1,1-Dichloroethane	4.591	63	912153	9.968	ppbv	98
25) Ethyl Acetate	5.227	43	2413013	12.108	ppbv	99
26) Hexane	5.237	57	868909	10.485	ppbv	86
27) Carbon Disulfide	4.150	76	1016194	10.330	ppbv	97
28) Methyl tert-Butyl Ether	4.613	73	660359	9.159	ppbv	98
29) Chloroform	5.298	83	1326819	10.185	ppbv	97
30) Cyclohexane	6.619	84	755695	11.129	ppbv	98
31) cis-1,2-Dichloroethene	5.102	61	808479	10.108	ppbv	98
32) 1,1,1-Trichloroethane	6.025	97	1266707	10.713	ppbv	99
34) 2-Butanone	4.812	43	1081768	10.275	ppbv	99
35) Carbon Tetrachloride	6.513	117	1380195	10.818	ppbv	99
36) Benzene	6.391	78	1826525	10.598	ppbv	99
37) 1,2-Dichloroethane	5.828	62	968525	10.348	ppbv	100
38) Trichloroethene	7.311	130	852880	8.766	ppbv	99
39) 1,2-Dichloropropane	7.092	63	686180	10.335	ppbv	94
40) 1,4-Dioxane	7.314	88	227697	10.061	ppbv #	100
41) Tetrahydrofuran	5.581	42	737852	11.280	ppbv	100
42) Bromodichloromethane	7.266	83	1423245	10.798	ppbv	98
43) Methyl Methacrylate	7.494	69	732407	12.203	ppbv	97
44) 2,2,4-Trimethylpentane	7.343	57	3110520	10.795	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	500080	9.808	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	768226	10.499	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	761975	10.719	ppbv	98
48) Dibromochloromethane	9.725	129	1256458	10.979	ppbv	100
49) Bromoform	12.420	173	1052409	11.290	ppbv	98
50) 4-Methyl-2-Pentanone	8.198	43	1957319	11.849	ppbv	99
51) 2-Hexanone	9.571	43	1469976	12.155	ppbv #	98
52) Tetrachloroethene	10.635	164	670500	10.386	ppbv	97
53) Toluene	9.240	91	2114626	11.711	ppbv	99
54) 1,2-Dibromoethane	10.024	107	945347	13.099	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	981559	10.863	ppbv	97
57) Chlorobenzene	11.542	112	1602047	9.780	ppbv	99
58) Ethyl Benzene	12.105	91	2796454	11.495	ppbv	100
59) m/p-Xylene	12.388	91	4737787m	21.578	ppbv	
60) o-Xylene	13.076	91	2289732	11.122	ppbv	100
61) Styrene	12.912	104	1269770	11.743	ppbv	100
62) Isopropylbenzene	14.047	105	3513824	11.172	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1295486	14.961	ppbv	100
64) n-propylbenzene	14.928	120	906379	11.380	ppbv	99
65) tert-Butylbenzene	16.108	119	3160727	11.532	ppbv	99
66) Benzyl Chloride	16.339	91	130225	6.698	ppbv	99
67) sec-Butylbenzene	16.648	105	4403479	11.406	ppbv	100
69) p-Isopropyltoluene	17.008	119	3624640	11.606	ppbv	100
70) n-Butylbenzene	17.902	91	3596452	12.043	ppbv	99
71) 2-Chlorotoluene	14.812	91	2477273	11.340	ppbv	100
72) 4-Ethyltoluene	15.208	105	2582399	10.889	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	2381049	11.218	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	2638709	10.978	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	1485825	10.185	ppbv	98
76) 1,4-Dichlorobenzene	16.487	146	1390214	9.992	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	1473505	10.592	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1055784	9.959	ppbv	99
79) Naphthalene	21.394	128	1893192	12.880	ppbv	97
80) Naphthalene,2-methyl-	24.387	142	416152	8.338	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1078429	11.101	ppbv	100

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

