

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040526.D
 Acq On : 11 Jul 2023 10:02
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 14:57:00 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	951561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2375147	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2310103	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1880796 10.287 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2042369	10.730	ppbv	100
3) Chlorodifluoromethane	2.684	51	1496238	9.920	ppbv	96
4) Chloromethane	2.822	50	578521	9.682	ppbv	93
5) Vinyl Chloride	2.928	62	606180	9.662	ppbv	99
6) Bromomethane	3.128	94	101790	3.844	ppbv	100
7) Chloroethane	3.205	64	225237	10.232	ppbv	96
8) Dichlorotetrafluoroethane	2.864	85	1594749	10.184	ppbv	99
9) Propene	2.703	41	466096	9.027	ppbv	100
10) Heptane	7.584	43	1200070	10.525	ppbv	99
11) Trichlorofluoromethane	3.568	101	1663795	10.833	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.070	101	1176484	10.877	ppbv	95
13) Ethanol	3.247	45	110178	9.807	ppbv	99
14) Bromoethene	3.372	108	511499	10.998	ppbv	98
15) Acetone	3.472	43	1104699	10.086	ppbv	99
16) 1,3-Butadiene	2.993	39	582195	10.536	ppbv	98
17) tert-Butyl alcohol	3.883	59	1236341	10.913	ppbv	99
18) 1,1-Dichloroethene	3.886	96	539049	10.840	ppbv	98
19) Isopropyl Alcohol	3.581	45	643463	10.233	ppbv #	95
20) Methylene Chloride	3.938	84	470924	10.108	ppbv	97
21) Allyl Chloride	4.002	41	346093	5.533	ppbv	90
22) trans-1,2-Dichloroethene	4.452	96	548153	11.173	ppbv	94
23) Vinyl Acetate	4.632	43	777522	7.451	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1124208	10.614	ppbv	99
25) Ethyl Acetate	5.211	43	2113680	10.136	ppbv	99
26) Hexane	5.221	57	948603	9.792	ppbv	97
27) Carbon Disulfide	4.131	76	1312769	11.520	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	797127	10.221	ppbv	99
29) Chloroform	5.282	83	1673344	10.414	ppbv	97
30) Cyclohexane	6.607	84	805476	9.992	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	978205	10.216	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	1672675	10.639	ppbv	99
34) 2-Butanone	4.790	43	1280737	10.913	ppbv	98
35) Carbon Tetrachloride	6.501	117	1740222	12.174	ppbv	98
36) Benzene	6.378	78	1983528	10.379	ppbv	96
37) 1,2-Dichloroethane	5.812	62	1271728	11.311	ppbv	97
38) Trichloroethene	7.298	130	831855	11.508	ppbv	93
39) 1,2-Dichloropropane	7.082	63	766216	10.415	ppbv	93
40) 1,4-Dioxane	7.291	88	229857	9.989	ppbv #	86
41) Tetrahydrofuran	5.562	42	718169	10.486	ppbv	99
42) Bromodichloromethane	7.256	83	1823394	11.661	ppbv	97
43) Methyl Methacrylate	7.481	69	815613	11.402	ppbv	96
44) 2,2,4-Trimethylpentane	7.337	57	3274567	10.650	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	144736	3.154	ppbv	94

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	193917	3.294	ppbv	96
47) 1,1,2-Trichloroethane	8.906	97	861958	10.619	ppbv	99
48) Dibromochloromethane	9.719	129	1488986	11.865	ppbv	100
49) Bromoform	12.413	173	1233944	12.402	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1911327	11.208	ppbv	96
51) 2-Hexanone	9.555	43	1370815	11.368	ppbv #	96
52) Tetrachloroethene	10.626	164	723800	11.695	ppbv	97
53) Toluene	9.227	91	2337314	11.259	ppbv	100
54) 1,2-Dibromoethane	10.018	107	960603	9.521	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	1157182	11.185	ppbv	96
57) Chlorobenzene	11.536	112	1896548	10.527	ppbv	95
58) Ethyl Benzene	12.095	91	3352614	11.565	ppbv	98
59) m/p-Xylene	12.381	91	5957644m	23.025	ppbv	
60) o-Xylene	13.066	91	2902286	11.774	ppbv	98
61) Styrene	12.909	104	1386690	12.196	ppbv	98
62) Isopropylbenzene	14.037	105	4216848	11.414	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.057	83	1935373	11.212	ppbv	100
64) n-propylbenzene	14.925	120	1121151	11.729	ppbv	93
65) tert-Butylbenzene	16.098	119	3851847	11.777	ppbv	96
66) Benzyl Chloride	16.336	91	46439	2.007	ppbv #	80
67) sec-Butylbenzene	16.642	105	5626832	11.709	ppbv	99
69) p-Isopropyltoluene	17.005	119	4761800	11.991	ppbv	98
70) n-Butylbenzene	17.896	91	5462070	12.333	ppbv	99
71) 2-Chlorotoluene	14.806	91	3383205	11.882	ppbv	99
72) 4-Ethyltoluene	15.201	105	3580240	12.391	ppbv	97
73) 1,3,5-Trimethylbenzene	15.359	105	3130935	12.293	ppbv	98
74) 1,2,4-Trimethylbenzene	16.118	105	3605219	12.141	ppbv	92
75) 1,3-Dichlorobenzene	16.339	146	2079660	11.551	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	2065406	11.700	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	2000040	11.618	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1703079	10.534	ppbv	99
79) Naphthalene	21.391	128	3377291	13.442	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	1304464	12.592	ppbv	97
81) 1,2,4-Trichlorobenzene	21.149	180	2042863	11.799	ppbv	99

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

