

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041117.D
 Acq On : 15 Mar 2024 9:15
 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 03/18/2024
 Supervised By : Mahesh Dadoda 03/18/2024

Quant Time: Mar 16 02:13:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1303712	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	3314526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3028871	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2525530 10.665 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2143154	8.627	ppbv	98
3) Chlorodifluoromethane	2.678	51	1976514	10.323	ppbv	100
4) Chloromethane	2.816	50	751229	10.366	ppbv	98
5) Vinyl Chloride	2.922	62	783658	10.627	ppbv	97
6) Bromomethane	3.121	94	313648	10.725	ppbv	96
7) Chloroethane	3.202	64	275364	10.754	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1895785	10.509	ppbv	98
9) Propene	2.697	41	665187	10.432	ppbv	98
10) Heptane	7.590	43	1641814	10.761	ppbv	99
11) Trichlorofluoromethane	3.565	101	1989314	10.385	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.073	101	1408333	10.000	ppbv	100
13) Ethanol	3.240	45	146646m	8.630	ppbv	
14) Bromoethene	3.372	108	591103	10.764	ppbv	99
15) Acetone	3.472	43	1374553	9.254	ppbv	100
16) 1,3-Butadiene	2.986	39	739460	10.975	ppbv	100
17) tert-Butyl alcohol	3.883	59	1344248	12.223	ppbv	99
18) 1,1-Dichloroethene	3.886	96	624381	10.157	ppbv	99
19) Isopropyl Alcohol	3.581	45	968186	12.204	ppbv	99
20) Methylene Chloride	3.941	84	522085	9.016	ppbv	96
21) Allyl Chloride	4.002	41	903015	10.765	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	636898	8.875	ppbv	96
23) Vinyl Acetate	4.636	43	1562467	9.296	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1286662	8.474	ppbv	99
25) Ethyl Acetate	5.214	43	2784928	10.407	ppbv	100
26) Hexane	5.221	57	1191631	9.964	ppbv	97
27) Carbon Disulfide	4.131	76	1530326	10.674	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	885940	8.378	ppbv	99
29) Chloroform	5.285	83	2050600	10.068	ppbv	95
30) Cyclohexane	6.613	84	1015830	10.250	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	1205702	10.356	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1995967	10.821	ppbv	100
34) 2-Butanone	4.793	43	1436142	8.751	ppbv	100
35) Carbon Tetrachloride	6.507	117	2124506	10.968	ppbv	97
36) Benzene	6.382	78	2578900	10.453	ppbv	98
37) 1,2-Dichloroethane	5.816	62	1542391	10.391	ppbv	100
38) Trichloroethene	7.308	130	1012135	11.295	ppbv	94
39) 1,2-Dichloropropane	7.086	63	1002041	10.153	ppbv	98
40) 1,4-Dioxane	7.301	88	390345	10.046	ppbv	91
41) Tetrahydrofuran	5.568	42	1022877	10.473	ppbv	99
42) Bromodichloromethane	7.263	83	2252290	10.591	ppbv	98
43) Methyl Methacrylate	7.484	69	1072294	11.236	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4280041	10.388	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	798769	12.159	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	953426	11.557	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	1105983	10.506	ppbv	99
48) Dibromochloromethane	9.725	129	1896865	11.055	ppbv	100
49) Bromoform	12.423	173	1568703	11.494	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	2708553	11.191	ppbv	99
51) 2-Hexanone	9.561	43	1960349	11.057	ppbv	99
52) Tetrachloroethene	10.632	164	880894	11.511	ppbv	98
53) Toluene	9.237	91	2963126	11.142	ppbv	100
54) 1,2-Dibromoethane	10.025	107	1564116	11.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	1374666	10.608	ppbv	98
57) Chlorobenzene	11.542	112	2310315	10.821	ppbv	96
58) Ethyl Benzene	12.105	91	4035423	11.380	ppbv	100
59) m/p-Xylene	12.388	91	6917864m	22.224	ppbv	
60) o-Xylene	13.076	91	3321419	11.238	ppbv	100
61) Styrene	12.915	104	1693482	12.689	ppbv	99
62) Isopropylbenzene	14.047	105	4876226	11.106	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	2533133	11.403	ppbv	99
64) n-propylbenzene	14.931	120	1266170	11.462	ppbv	100
65) tert-Butylbenzene	16.105	119	4305505	11.283	ppbv	99
66) Benzyl Chloride	16.343	91	337054	13.037	ppbv	97
67) sec-Butylbenzene	16.651	105	6140342	11.187	ppbv	100
69) p-Isopropyltoluene	17.011	119	4954922	11.572	ppbv	100
70) n-Butylbenzene	17.902	91	5353103	11.568	ppbv	100
71) 2-Chlorotoluene	14.815	91	3793194	11.295	ppbv	99
72) 4-Ethyltoluene	15.211	105	3874841	11.908	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3346854	11.623	ppbv	95
74) 1,2,4-Trimethylbenzene	16.124	105	3713761	11.292	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	2165000	11.527	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	2092411	11.057	ppbv	98
77) 1,2-Dichlorobenzene	17.159	146	2098386	11.434	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1249963	9.675	ppbv	100
79) Naphthalene	21.403	128	3032442	15.922	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	645346	21.139	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	1464199	13.350	ppbv	98

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

