

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040824\
 Data File : VL041144.D
 Acq On : 8 Apr 2024 10:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2024
 Supervised By : Mahesh Dadoda 04/09/2024

Quant Time: Apr 09 01:11:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Tue Apr 09 01:10:08 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1307114	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3521660	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3554339	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2672871 9.352 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1991243	8.906	ppbv	98
3) Chlorodifluoromethane	2.665	51	1898552	9.430	ppbv	99
4) Chloromethane	2.800	50	726593	9.537	ppbv	98
5) Vinyl Chloride	2.909	62	772566	10.497	ppbv	99
6) Bromomethane	3.105	94	260265	9.395	ppbv	91
7) Chloroethane	3.186	64	270603	10.019	ppbv	97
8) Dichlorotetrafluoroethane	2.845	85	1830669	9.598	ppbv	96
9) Propene	2.681	41	662723	10.348	ppbv	95
10) Heptane	7.562	43	1636261	10.761	ppbv	100
11) Trichlorofluoromethane	3.549	101	1920937	9.474	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.054	101	1405832	9.580	ppbv	100
13) Ethanol	3.231	45	117706	7.727	ppbv	91
14) Bromoethene	3.353	108	563061	9.741	ppbv	98
15) Acetone	3.456	43	1306484	9.231	ppbv	98
16) 1,3-Butadiene	2.973	39	716349	10.311	ppbv	98
17) tert-Butyl alcohol	3.864	59	1300477	10.146	ppbv	100
18) 1,1-Dichloroethene	3.867	96	632153	10.090	ppbv	93
19) Isopropyl Alcohol	3.562	45	866023	10.072	ppbv #	95
20) Methylene Chloride	3.919	84	526692	9.023	ppbv	98
21) Allyl Chloride	3.983	41	893772	10.364	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	651550	9.920	ppbv	96
23) Vinyl Acetate	4.613	43	1609467	11.132	ppbv	97
24) 1,1-Dichloroethane	4.549	63	1329528	10.106	ppbv	99
25) Ethyl Acetate	5.189	43	2721254	10.238	ppbv	99
26) Hexane	5.195	57	1192930	10.002	ppbv	99
27) Carbon Disulfide	4.112	76	1535445	10.507	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	949320	10.548	ppbv	99
29) Chloroform	5.259	83	1937688	9.638	ppbv	97
30) Cyclohexane	6.584	84	1034370	10.647	ppbv	97
31) cis-1,2-Dichloroethene	5.063	61	1096823	9.716	ppbv	97
32) 1,1,1-Trichloroethane	5.989	97	1933241	10.402	ppbv	100
34) 2-Butanone	4.771	43	1467156	9.845	ppbv	100
35) Carbon Tetrachloride	6.478	117	2063395	10.291	ppbv	97
36) Benzene	6.356	78	2607721	10.084	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1491562	9.606	ppbv	99
38) Trichloroethene	7.275	130	1012436	10.836	ppbv	99
39) 1,2-Dichloropropane	7.060	63	1006962	9.875	ppbv	98
40) 1,4-Dioxane	7.272	88	372530	10.483	ppbv	86
41) Tetrahydrofuran	5.542	42	1039472	10.476	ppbv	99
42) Bromodichloromethane	7.234	83	2183073	9.841	ppbv	99
43) Methyl Methacrylate	7.459	69	1072311	10.886	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	4250474	9.928	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	702664	12.104	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	857724	11.420	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	1087008	9.863	ppbv	99
48) Dibromochloromethane	9.693	129	1899001	10.855	ppbv	99
49) Bromoform	12.391	173	1532425	11.057	ppbv	100
50) 4-Methyl-2-Pentanone	8.163	43	2690837	10.261	ppbv	98
51) 2-Hexanone	9.533	43	1973712	10.855	ppbv #	98
52) Tetrachloroethene	10.600	164	902648	10.939	ppbv	97
53) Toluene	9.205	91	2961319	10.875	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1537567	11.187	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.491	131	1385353	9.484	ppbv	98
57) Chlorobenzene	11.510	112	2335364	9.598	ppbv	96
58) Ethyl Benzene	12.073	91	4017137	10.323	ppbv	99
59) m/p-Xylene	12.356	91	6777331m	19.285	ppbv	
60) o-Xylene	13.047	91	3239976	9.730	ppbv	98
61) Styrene	12.880	104	1726890	11.704	ppbv	98
62) Isopropylbenzene	14.015	105	4807550	9.698	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.031	83	2442484	9.336	ppbv	100
64) n-propylbenzene	14.899	120	1310118	10.531	ppbv	88
65) tert-Butylbenzene	16.076	119	4291883	9.917	ppbv	97
66) Benzyl Chloride	16.310	91	297576	10.451	ppbv	97
67) sec-Butylbenzene	16.619	105	6064670	9.699	ppbv	99
69) p-Isopropyltoluene	16.979	119	4976697	10.206	ppbv	99
70) n-Butylbenzene	17.870	91	5284616	9.977	ppbv	99
71) 2-Chlorotoluene	14.783	91	3730882	9.812	ppbv	98
72) 4-Ethyltoluene	15.175	105	3848886	10.349	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	3319741	10.121	ppbv	98
74) 1,2,4-Trimethylbenzene	16.092	105	3663927	9.760	ppbv	99
75) 1,3-Dichlorobenzene	16.314	146	2174671	9.922	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	2119093	9.940	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	2103402	9.883	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1308253	9.246	ppbv	99
79) Naphthalene	21.368	128	3164191	13.139	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	688031	14.666	ppbv	98
81) 1,2,4-Trichlorobenzene	21.124	180	1556296	11.527	ppbv	99

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

