

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041088.D
 Acq On : 11 Mar 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/12/2024
 Supervised By : Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:52:55 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 : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1509313	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3798074	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3676284	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2931349 10.198 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	3841525	13.357	ppbv	99
3) Chlorodifluoromethane	2.674	51	2964251	13.372	ppbv	98
4) Chloromethane	2.816	50	1119022	13.338	ppbv	100
5) Vinyl Chloride	2.922	62	1203231	14.094	ppbv	99
6) Bromomethane	3.121	94	4911124	14.507	ppbv	96
7) Chloroethane	3.198	64	409951	13.644	ppbv	97
8) Dichlorotetrafluoroethane	2.857	85	2878716	13.784	ppbv	98
9) Propene	2.693	41	1029720	13.949	ppbv	100
10) Heptane	7.594	43	2603987	14.742	ppbv	99
11) Trichlorofluoromethane	3.568	101	3045125	13.731	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.073	101	2187648	13.417	ppbv	98
13) Ethanol	3.243	45	235616	12.614	ppbv	97
14) Bromoethene	3.369	108	905548	14.243	ppbv	99
15) Acetone	3.472	43	2044357	11.889	ppbv	99
16) 1,3-Butadiene	2.986	39	1129514	13.952	ppbv	100
17) tert-Butyl alcohol	3.886	59	1696670	13.271	ppbv	99
18) 1,1-Dichloroethene	3.886	96	979041	13.636	ppbv	100
19) Isopropyl Alcohol	3.581	45	1211486	13.190	ppbv	99
20) Methylene Chloride	3.941	84	842783	12.572	ppbv	98
21) Allyl Chloride	4.002	41	1396919	14.384	ppbv	100
22) trans-1,2-Dichloroethene	4.455	96	1275592	14.923	ppbv	98
23) Vinyl Acetate	4.636	43	3184166	16.675	ppbv	98
24) 1,1-Dichloroethane	4.571	63	2567294	14.605	ppbv	99
25) Ethyl Acetate	5.214	43	4378895	14.135	ppbv	100
26) Hexane	5.224	57	1943739	13.990	ppbv	98
27) Carbon Disulfide	4.131	76	2735059	16.478	ppbv	100
28) Methyl tert-Butyl Ether	4.594	73	1812107	14.802	ppbv	99
29) Chloroform	5.288	83	3299110	13.805	ppbv	99
30) Cyclohexane	6.616	84	1646237	14.479	ppbv	98
31) cis-1,2-Dichloroethene	5.089	61	2005053	14.897	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	3262097	15.238	ppbv	99
34) 2-Butanone	4.793	43	2820733	14.959	ppbv	99
35) Carbon Tetrachloride	6.510	117	3470664	15.693	ppbv	98
36) Benzene	6.385	78	4105500	14.522	ppbv	99
37) 1,2-Dichloroethane	5.819	62	2455251	14.435	ppbv	99
38) Trichloroethene	7.307	130	1619988	15.349	ppbv	95
39) 1,2-Dichloropropane	7.089	63	1606031	14.206	ppbv	97
40) 1,4-Dioxane	7.298	88	649919	14.582	ppbv #	1
41) Tetrahydrofuran	5.565	42	1707417	15.262	ppbv	99
42) Bromodichloromethane	7.266	83	3647800	14.970	ppbv	99
43) Methyl Methacrylate	7.491	69	1745556	15.981	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	6613436	13.996	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	1404811	18.517	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	1615394	17.090	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1796186	14.864	ppbv	96
48) Dibromochloromethane	9.725	129	3118517	15.841	ppbv	100
49) Bromoform	12.426	173	2603825	16.650	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	4263550	15.372	ppbv	99
51) 2-Hexanone	9.565	43	3149583	15.334	ppbv #	98
52) Tetrachloroethene	10.635	164	1436437	16.340	ppbv	98
53) Toluene	9.237	91	4731635	15.527	ppbv	99
54) 1,2-Dibromoethane	10.028	107	2596014	16.745	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	2235161	14.200	ppbv	100
57) Chlorobenzene	11.545	112	3683217	13.994	ppbv	99
58) Ethyl Benzene	12.108	91	6384257	14.833	ppbv	98
59) m/p-Xylene	12.394	91	10871859m	28.772	ppbv	
60) o-Xylene	13.079	91	5230094	14.593	ppbv	98
61) Styrene	12.918	104	2789472	17.065	ppbv	99
62) Isopropylbenzene	14.047	105	7526739	14.119	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	3919539	14.322	ppbv	100
64) n-propylbenzene	14.937	120	2037703	15.168	ppbv	89
65) tert-Butylbenzene	16.111	119	6666512	14.415	ppbv	99
66) Benzyl Chloride	16.346	91	583309	18.717	ppbv	100
67) sec-Butylbenzene	16.658	105	9291872	13.948	ppbv	98
69) p-Isopropyltoluene	17.018	119	7642726	14.707	ppbv	99
70) n-Butylbenzene	17.905	91	8163015	14.534	ppbv	98
71) 2-Chlorotoluene	14.822	91	5979929	14.671	ppbv	98
72) 4-Ethyltoluene	15.211	105	6111660	15.474	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	5269144	15.076	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	5702555	14.286	ppbv	94
75) 1,3-Dichlorobenzene	16.352	146	3429466m	15.053	ppbv	
76) 1,4-Dichlorobenzene	16.494	146	3371309	14.708	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	3283543	14.592	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1978518	12.571	ppbv	100
79) Naphthalene	21.407	128	4389432	18.684	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	737644	24.046	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	2139022	15.930	ppbv	100

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

