

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041180.D
 Acq On : 29 Apr 2024 12:08
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:06:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1076309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2721509	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2647074	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1958570 9.797 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	285521	1.919	ppbv	99
3) Chlorodifluoromethane	2.668	51	342576	2.088	ppbv	99
4) Chloromethane	2.806	50	138671	2.124	ppbv	93
5) Vinyl Chloride	2.912	62	131004	2.069	ppbv	92
6) Bromomethane	3.112	94	46782	1.994	ppbv	94
7) Chloroethane	3.189	64	45358	1.974	ppbv	94
8) Dichlorotetrafluoroethane	2.851	85	315688	2.100	ppbv	99
9) Propene	2.687	41	131647	2.056	ppbv	98
10) Heptane	7.571	43	316007	2.062	ppbv	98
11) Trichlorofluoromethane	3.555	101	307344	2.080	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	219116	1.985	ppbv	95
13) Ethanol	3.240	45	34621	2.504	ppbv	83
14) Bromoethene	3.356	108	95178	2.070	ppbv	98
15) Acetone	3.462	43	283319	2.206	ppbv	100
16) 1,3-Butadiene	2.977	39	127046m	1.990	ppbv	
17) tert-Butyl alcohol	3.870	59	306678	2.209	ppbv	98
18) 1,1-Dichloroethene	3.874	96	106386	2.101	ppbv	94
19) Isopropyl Alcohol	3.568	45	198803m	2.381	ppbv	
20) Methylene Chloride	3.928	84	91024	2.041	ppbv	93
21) Allyl Chloride	3.989	41	168195	2.010	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	102244	2.045	ppbv	96
23) Vinyl Acetate	4.623	43	279931	1.976	ppbv	99
24) 1,1-Dichloroethane	4.555	63	227028	2.079	ppbv	98
25) Ethyl Acetate	5.202	43	533627	2.118	ppbv	99
26) Hexane	5.208	57	238740	2.141	ppbv	99
27) Carbon Disulfide	4.118	76	277378	2.097	ppbv #	85
28) Methyl tert-Butyl Ether	4.581	73	185620	2.045	ppbv	99
29) Chloroform	5.266	83	327523	2.104	ppbv	99
30) Cyclohexane	6.597	84	186989	2.043	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	224494	2.102	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	330278	2.115	ppbv	99
34) 2-Butanone	4.784	43	274037	2.058	ppbv	96
35) Carbon Tetrachloride	6.488	117	316751	2.051	ppbv	95
36) Benzene	6.362	78	477811	2.087	ppbv	99
37) 1,2-Dichloroethane	5.800	62	248464	2.074	ppbv	98
38) Trichloroethene	7.285	130	171574	1.985	ppbv	97
39) 1,2-Dichloropropane	7.066	63	183483	2.074	ppbv	99
40) 1,4-Dioxane	7.285	88	77975m	2.469	ppbv	
41) Tetrahydrofuran	5.558	42	204565	2.078	ppbv	97
42) Bromodichloromethane	7.240	83	363205	2.077	ppbv #	99
43) Methyl Methacrylate	7.468	69	194484m	2.070	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	838853	2.116	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	137893	2.005	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	171920	2.065	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	184393	2.094	ppbv	98
48) Dibromochloromethane	9.703	129	301881	2.119	ppbv	99
49) Bromoform	12.404	173	258427	2.113	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	544700	2.167	ppbv	99
51) 2-Hexanone	9.552	43	404415	2.210	ppbv #	99
52) Tetrachloroethene	10.610	164	169148	2.097	ppbv	96
53) Toluene	9.214	91	565315	2.118	ppbv	99
54) 1,2-Dibromoethane	10.002	107	253281	2.116	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	228733	2.087	ppbv #	1
57) Chlorobenzene	11.520	112	406860	2.102	ppbv	96
58) Ethyl Benzene	12.082	91	761110	2.088	ppbv	97
59) m/p-Xylene	12.368	91	1285787m	4.202	ppbv	
60) o-Xylene	13.053	91	593818	2.067	ppbv	100
61) Styrene	12.889	104	308755	2.058	ppbv	99
62) Isopropylbenzene	14.024	105	904946	2.097	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	417149	2.138	ppbv	100
64) n-propylbenzene	14.912	120	225658	2.086	ppbv	90
65) tert-Butylbenzene	16.082	119	814409	2.135	ppbv	100
66) Benzyl Chloride	16.323	91	92074m	2.028	ppbv	
67) sec-Butylbenzene	16.629	105	1150769	2.133	ppbv	100
69) p-Isopropyltoluene	16.989	119	956636	2.139	ppbv	98
70) n-Butylbenzene	17.879	91	1003678	2.160	ppbv	99
71) 2-Chlorotoluene	14.796	91	689763	2.092	ppbv	98
72) 4-Ethyltoluene	15.188	105	677435	2.067	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	616820	2.076	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	691367	2.138	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	388460	2.134	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	371195	2.094	ppbv	96
77) 1,2-Dichlorobenzene	17.140	146	383148	2.083	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	365055	2.233	ppbv	99
79) Naphthalene	21.381	128	752980	2.456	ppbv	97
80) Naphthalene,2-methyl-	24.365	142	318754	2.470	ppbv	93
81) 1,2,4-Trichlorobenzene	21.130	180	368750	2.251	ppbv	100

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

