

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041122.D
 Acq On : 4 Apr 2024 10:45
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:16:39 2024

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

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1452151	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3779418	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3451776	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 2820273 10.198 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	274396	1.101	ppbv	94
3) Chlorodifluoromethane	2.681	51	241691	1.081	ppbv	98
4) Chloromethane	2.819	50	88011	1.040	ppbv	100
5) Vinyl Chloride	2.928	62	89026	1.101	ppbv	92
6) Bromomethane	3.128	94	32277m	1.049	ppbv	
7) Chloroethane	3.208	64	32684	1.109	ppbv	90
8) Dichlorotetrafluoroethane	2.864	85	223128	1.053	ppbv	95
9) Propene	2.697	41	75495	1.061	ppbv	99
10) Heptane	7.610	43	171597	1.016	ppbv	98
11) Trichlorofluoromethane	3.574	101	238891	1.061	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	173001	1.061	ppbv	98
13) Ethanol	3.272	45	21394	1.291	ppbv	99
14) Bromoethene	3.378	108	63906	0.995	ppbv	89
15) Acetone	3.491	43	172327	1.096	ppbv	97
16) 1,3-Butadiene	2.993	39	79376	1.028	ppbv	92
17) tert-Butyl alcohol	3.906	59	162555	1.139	ppbv	99
18) 1,1-Dichloroethene	3.896	96	73067	1.050	ppbv	84
19) Isopropyl Alcohol	3.603	45	112810	1.168	ppbv	98
20) Methylene Chloride	3.947	84	70799	1.092	ppbv	95
21) Allyl Chloride	4.012	41	96530	1.008	ppbv	95
22) trans-1,2-Dichloroethene	4.468	96	73157	1.008	ppbv	91
23) Vinyl Acetate	4.652	43	162125	0.994	ppbv #	96
24) 1,1-Dichloroethane	4.581	63	147739	1.011	ppbv	96
25) Ethyl Acetate	5.234	43	302171	1.023	ppbv	98
26) Hexane	5.237	57	143979	1.087	ppbv	96
27) Carbon Disulfide	4.144	76	157992	0.982	ppbv	98
28) Methyl tert-Butyl Ether	4.616	73	101404	1.014	ppbv	97
29) Chloroform	5.295	83	238488	1.068	ppbv	99
30) Cyclohexane	6.629	84	102346	0.960	ppbv	94
31) cis-1,2-Dichloroethene	5.102	61	126633	1.010	ppbv	87
32) 1,1,1-Trichloroethane	6.028	97	221675	1.074	ppbv	96
34) 2-Butanone	4.812	43	165277	1.012	ppbv	99
35) Carbon Tetrachloride	6.523	117	231163	1.072	ppbv	99
36) Benzene	6.398	78	284445	1.026	ppbv	98
37) 1,2-Dichloroethane	5.832	62	168020	1.008	ppbv	98
38) Trichloroethene	7.314	130	106673m	1.060	ppbv	
39) 1,2-Dichloropropane	7.095	63	111334m	1.012	ppbv	
40) 1,4-Dioxane	7.333	88	43538m	1.154	ppbv	
41) Tetrahydrofuran	5.597	42	108775m	1.042	ppbv	
42) Bromodichloromethane	7.275	83	236675	0.994	ppbv	92
43) Methyl Methacrylate	7.507	69	98797	1.026	ppbv	92
44) 2,2,4-Trimethylpentane	7.359	57	479124	1.043	ppbv	98
45) t-1,3-Dichloropropene	8.745	75	54513m	0.878	ppbv	

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	75325m	0.953	ppbv	
47) 1,1,2-Trichloroethane	8.928	97	117571	0.994	ppbv	92
48) Dibromochloromethane	9.741	129	179547	0.956	ppbv	97
49) Bromoform	12.442	173	139219m	0.935	ppbv	
50) 4-Methyl-2-Pentanone	8.224	43	277564	0.991	ppbv	100
51) 2-Hexanone	9.597	43	186788m	0.962	ppbv	
52) Tetrachloroethene	10.645	164	92701	1.043	ppbv	89
53) Toluene	9.249	91	284677	0.971	ppbv	100
54) 1,2-Dibromoethane	10.044	107	145141	0.985	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.542	131	150285	1.065	ppbv #	1
57) Chlorobenzene	11.555	112	246479	1.055	ppbv	98
58) Ethyl Benzene	12.124	91	388820	1.034	ppbv	97
59) m/p-Xylene	12.407	91	712839m	2.098	ppbv	
60) o-Xylene	13.092	91	333251	1.031	ppbv	100
61) Styrene	12.928	104	134618m	0.941	ppbv	
62) Isopropylbenzene	14.063	105	505349	1.053	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.082	83	278514	1.092	ppbv	98
64) n-propylbenzene	14.950	120	124398	1.036	ppbv	92
65) tert-Butylbenzene	16.121	119	437475	1.044	ppbv	95
66) Benzyl Chloride	16.365	91	25581m	0.926	ppbv	
67) sec-Butylbenzene	16.670	105	643782	1.065	ppbv	96
69) p-Isopropyltoluene	17.031	119	480697	1.020	ppbv	97
70) n-Butylbenzene	17.924	91	521755	1.017	ppbv	99
71) 2-Chlorotoluene	14.834	91	378542	1.030	ppbv	99
72) 4-Ethyltoluene	15.227	105	366886	1.029	ppbv	97
73) 1,3,5-Trimethylbenzene	15.384	105	320568	1.011	ppbv	91
74) 1,2,4-Trimethylbenzene	16.137	105	386169m	1.057	ppbv	
75) 1,3-Dichlorobenzene	16.365	146	213569	1.007	ppbv	99
76) 1,4-Dichlorobenzene	16.506	146	205228	0.994	ppbv	97
77) 1,2-Dichlorobenzene	17.172	146	202607	0.983	ppbv	94
78) Hexachloro-1,3-Butadiene	22.673	225	141590	1.034	ppbv	99
79) Naphthalene	21.432	128	223833m	0.975	ppbv	
80) Naphthalene,2-methyl-	24.419	142	33375m	0.829	ppbv	
81) 1,2,4-Trichlorobenzene	21.185	180	121100m	0.915	ppbv	

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

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